

Feature Articles

	ISSUE	PAGES
Bergman, A. Determining Structural Parameters from Dynamic Testing	1	10-17
Oden, J. T. and Wellford, L. C., Jr. The Finite Element Analysis of Shocks and Acceleration Waves in Nonlinearly Elastic Solids	2	2-11
Forkois, H. M. Systems Performance Effectiveness as Related to Shock and Vibration Environments	3	2- 4
Tillerson, J. R. Selecting Solution Procedures for Nonlinear Structural Dynamics	4	2-13
DiMaggio, F. L. Dynamic Response of Fluid-Filled Shells	5	5-12
Lund, J. W. Some Unstable Whirl Phenomena in Rotating Machinery	6	5-12
Tondl, A. The Application of Skeleton Curves and Limit Envelopes to Analysis of Nonlinear Vibration	7	3-20
Thomson, W. T. Parameter Uncertainty in Dynamic Systems	8	3- 9
Geradin, M. Multistep Integration Methods for Transient Problems	9	3-20
SenGupta, G. Current Developments in Interior Noise and Sonic Fatigue Research	10	3-20
Potter, R. A General Theory of Modal Analysis for Linear Systems	11	3-11
Ojalvo, I. U. ALARM -- A Highly Efficient Eigenvalue Extraction Routine for Very Large Matrixes	12	3- 9

A

Aamodt, B.	886
Abbas, B.A.H.	2095
Abbott, J. M.	149, 1796
Abdalla, K. L.	1618
Abe, E.	1448
Abel, I.	1139
Abel, J. F.	2034
Abel, J. M.	120
Abiri, A.	1507
Aboudi, J.	92, 1239, 1574, 1587, 1590
Abromovich, S.	946
Ackroyd, M. H.	1805
Adair, R.	554
Adams, D. F.	475
Adamson, A. P.	1522
Adamson, T. C. Jr. ..	993, 1545
Adelman, H. M.	896, 2103
Adelman, N. T.	1210, 1211
Adimurthy, N. K.	1431
Adler, D.	304
Afanasev, E. F.	252
Agarwal, R. K.	1830
Agbabian, M. S.	1651
Aggarwal, A. K.	1843
Ahlvin, R. G.	150
Ahner, J. F.	5
Ahuja, K. K.	720
Ahuja, R.	1588
Aida, T.	876
Aidala, P. V.	1158
Aiello, G.	1625
Ainsworth, D. L.	1638
Airman, T.	1939
Aiuchi, S.	525
Akamatsu, T.	1848
Aki, K.	1273
Akino, K.	581
Akkas, N.	211
Aksu, G.	131
Aktan, A. E.	303
Albers, L.	1578
Albertson, N. D.	619

Albrecht, P. A. 1227
Alderson, R. G. 1635
Alers, G. A. 1901
Alexander, G. H. 2004
Alexander, W. T., Jr. 735
Al-Hussaini, M. M. 1204
Ali, R. 131
Ali, S. M. J. 2112
Allaire, R. A. 1224
Allen, D. L. 1317
Allen, E. E. 1526
Allen, P. W. 2127
Allen, R. E. 1475
Allik, H. 1027
Alspach, D. L. 1507
Alwar, R. S. 1431
Amazigo, J. C. 1775
Amba-Rao, C. L. 1247
Ambaud, P. 982
Amer, K. B. 684
Amin, H. S. 1907
Amos, D. E. 1368
Anand, G. V. 293
Anandakrishnan, M. 1040
Anders, H. 1259
Anders, J. B., Jr. 1696
Anderson, G. L. 294, 788, 1157,
1416, 1820
Anderson, J. C. 1608
Anderson, M. O. 1184
Anderson, R. E. 1447
Anderson, R. L. 1131
Andreeva-Galanina, E. C. 1110
Ang, A. H. -S. 924
Anliker, M. 1106
Anno, Y. 525
Ansari, K. A. 1766
Aoyagi, K. 152
Apgar, E. G. 1962
Appl, F. C. 1233
Appleby, M. R. 899
Aquilina, R. 591
Arai, H. 2085
Aramaki, S. 279
Aravamudan, K. 1662
Archibald, F. S. 1134
Arcidiacono, P. J. 735
Arctander, C. L. 2032
Ardema, M. D. 1682
Argyris, J. H. 1305
Arho, R. 1500
Ariman, T. 755
Armen, H. 1037
Armstrong, D. L. 1917

Armstrong, F. W. 1481
Armstrong, P. J. 1427
Arndt, R. E. A. 1093
Arnold, H. G. 371
Arnoldi, R. A. 1223
Aronson, R. B. 622
Arora, J. S. 961, 1479
Arseneaux, P. J., Jr. 246
Arthur, C. E. 1725
Arthur, K. 372
Arumugam, M. 1039
Ashley, C. 1473
Asmis, K. G. 408
Assedo, R. 184
Atchison, D. L. 772
Atherton, D. P. 4
Atkins, K. J. 1589
Atkinson, K. 1327
Atvars, J. 710
Auerbach, E. 1824
Auslander, D. M. 225
Austin, F. 2100
Awojobi, A. O. 734

B

Babcock, C. D. 1442
Babin, D. W. 1218
Bachman, W. 232
Bachmann, W. 46
Badgley, R. 1076
Badgley, R. H. 305, 1425, 2072
Badichev, A. I. 1602
Bădoi, Tr. 1136
Baganoff, D. 487
Bagci, C. 1993, 1994
Bahar, L. Y. 1189, 1680
Bailey, E. E. 1036
Bailey, J. T. 295
Baitis, A. E. 1663
Bajaj, J. K. L. 1449
Baker, B. 369
Baker, J. W. 402
Baker, L. L. 1000
Baker, R. N. 711
Balas, M. J. 2022
Baldock, J. C. A. 1985
Bales, S. L. 1663
Balestrino, A. 11
Balma, J. P. 1598
Balombin, J. R. 1482
Balsara, J. P. 397
Bamford, R. 396

Banerian, G. 809
Banerjee, A. K. 309, 1019
Banerjee, D. K. 669
Bangs, W. F. 193, 1666
Bank, R. E. 2021
Banks, D. O. 796
Bap, J. L. 39
Barach, D. 75, 1538
Baranov, A. O. 1366
Barbarisi, M. J. 1219
Barcilon, V. 1146
Barclay, B. 584
Barden, M. 1585
Bardin, J. L. 1180
Bareket, M. 1237
Bares, R. 1637
Bargmann, H. 28
Barkan, D. D. 1806
Barker, L. M. 2044
Barnard, G. R. 1180
Baron, M. L. 539
Barr, G. 770
Barrett, S. 194, 1664
Barron, G. E. 1387
Bartel, D. L. 1934
Bartels, P. 1069
Barthmeier, J. P. 56, 226
Bartley, T. M. 1186
Bartoskewitz, R. E. 121
Baruch, M. 1670, 1948
Baskaran, S. 1235, 1957
Bass, R. L., III. 70, 228
Bastl, W. 374
Bathe, K. -J. 1516
Bauer, F. C. 1
Bauer, K. 804
Baumana, N. E. 2094
Baumhauer, J. C. 256
Baumeister, K. J. 1048
Bayle, D. 167
Beal, D. B. 164
Beards, C. F. 1550
Beardsley, R. C. 1557, 1558
Bearon, J. N. 510
Beavers, G. S. 638, 797
Beck, C. J. 860
Beckemeyer, R. J. 1049
Becker, H. 1504
Beckert, H. 1846
Beckwith, L. 1853
Behar, A. 1919
Behrens, W. 1261
Bejda, J. 2101
Bekey, G. A. 1149
Bellamy, J. C. 242

Abstract Numbers:	1-202	203-401	402-601	602-779	780-944	945-1145	1146-1326	1327-1506	1507-1671	1672-1841	1842-2014	2015-2146
Volume 7												
Issue:	1	2	3	4	5	6	7	8	9	10	11	12

Belli, G.	1575	Blackmon, R. L.	589	Brasfield, R. L.	1994
Bellows, D.	659	Blackwell, R. H.	1135	Braun, S.	1532
Belytschko, T.	183, 1941	Blair, G. P.	760	Breen, J. E.	1107
Benade, A. H.	233, 864	Blake, T. R.	670	Brendel, K.	1583
Ben-Amoz, M.	831, 832, 1370	Blake, W. K.	108, 1208, 1432, 1922	Brennen, J. E., III.	1523
Ben-Chandor, A.	1746	Blakney, D. F.	153	Bretagne, J.	208
Bender, E. K.	921, 1070, 1085, 2133, 2136	Bland, S. R.	29	Breton, T.	141
Benedetti, G. A.	1226	Blandamura, F.	18	Brewer, G. A.	671
Bennett, F. E.	1331	Bleistein, N.	1847	Brewer, R. E.	242
Bennett, R. L.	806, 1986	Blevins, R. D.	399, 1318	Bridelance, J. P.	1262
Bennett, R. O.	43, 1176, 1279	Bliss, D. B.	564	Bridwell, H. C.	1233
Benser, W. A.	1036	Blitz, J.	925	Briendl, D.	863
Benveniste, Y.	1239, 1274, 1587, 1590	Bloom, F.	244	Brimelo, P. I.	1546
Benz, W.	743	Blum, A.	529	Brinkley, J. W.	380
Berezow, J.	468	Blumenthal, V. L.	2033	Brinson, H. F.	866
Bergan, P. G.	886	Bobbin, L.	1364	Britsch, W. R.	1841
Bergassoli, A.	982	Bodganoff, J. L.	1166	Brocher, E.	2049
Berger, B. S.	132	Bodig, J.	1840	Brock, B. J.	470
Berger, S. A.	1054	Bodner, S. R.	1435	Broderon, A. B.	1815
Berger, W. J.	121	Boirun, B. H.	1277	Broersen, P. M. T.	792
Berglund, B.	1642	Bojadziew, G. N.	780	Broutman, L. J.	1897
Berglund, K.	574	Bojarski, N. N.	1847	Brown, A. E.	1236
Berglund, U.	1642	Bollinger, J. G.	280, 507	Brown, C. G.	341
Berling, J. T.	78	Bolotin, V. V.	13	Brown, D.	1786
Berman, J. M.	1875	Bolwell, A. J.	300	Brown, G. J.	778
Bernaerts, H. J.	1232	Bombich, A. A.	1638	Brown, H.	369
Berquist, R. R.	735	Bon, V.	880	Brown, R. A.	614, 698
Berriaud, C.	184	Bongrand, J.	983, 1026	Brownlee, G. R.	678
Berry, C. W., Jr.	1819	Booker, J. R.	2027	Bruce, E. P.	1754
Bershader, D.	291	Boone, J. R.	674	Bruchmüller, H. G.	50
Bert, C. W.	504, 598	Boresi, A. P.	272	Brunelle, E. J.	133
Bertero, V. V.	686, 990, 1192	Boris, J. P.	1676	Brunetaud, R.	1906
Bertholf, L. D.	1220	Bos, H. D.	1162	Brungart, D. L.	728
Bessey, R. L.	456	Bose, C. M.	128	Bryant, P. J.	660
Beulke, M. R.	1032	Bösenberg, D.	497	Bryson, F. E.	185
Bhatnagar, R. K.	260	Boswell, R. J.	394	Buchanan, J.	781
Bickford, W. B.	1591	Botsford, J. H.	329, 362	Buchanan, R. W.	441
Bicknell, J.	347	Bouchard, T. J., Jr.	1955	Buchek, P. M.	872
Biddell, D. C.	277	Boure, J.	261	Buckley, B. S.	856
Bielak, J.	14	Bourne, J. C.	712	Budiansky, B.	1739
Bies, D. A.	631	Bousman, W. G.	1812	Bunney, R. E.	851
Biggs, J. M.	1523, 1805	Bowers, G.	1773	Buonadonna, V. R.	1414
Billingham, A. J.	258	Bowles, J. V.	40	Burche, I.	930
Billington, D. P.	2034	Bowman, B. M.	1176, 1279	Burg, K.	608, 789
Birkhoff, G.	1517	Boyd, M. A.	495	Burgan, E. T.	1263
Birnstiel, C.	1231	Boyden, R. P.	1732, 2070	Burgess, I. W.	212
Bishop, R. E. D.	306, 401	Braden, M. H.	289, 290	Burgess, J. C.	220
Bishop, R. R.	1937	Bradford, L. G.	833	Burgess, W. M.	1300
Bisimis, E.	1486	Bradshaw, R. J., Jr.	442	Burley, R. R.	142, 143, 340, 1071, 1072
Biss, D. J.	361	Bragdon, C. R.	219	Burnat, M.	1395
Bjorno, L.	1580	Brammer, A. J.	2133, 2134	Burns, J. C.	186
Black, J. L.	1011	Brandstatter, J. J.	640	Burns, J. F.	197
		Branscomb, L. M.	1349	Burns, R. J.	1714

Abstract Numbers:	1-202	203-401	402-601	602-779	780-944	945-1145	1146-1326	1327-1506	1507-1671	1672-1841	1842-2014	2015-2146
Volume 7												
Issue:	1	2	3	4	5	6	7	8	9	10	11	12

Burrow, L. R., Jr. 2045
 Busch, R. D. 243
 Bussa, S. 1394
 Butters, W. G. 913

C

Caccavari, C. 221, 373
 Calico, R. A. 1837
 Callaway, V. E. 2115
 Calvit, H. H. 69
 Camillo, L. 1393
 Campbell-Allen, D. 1300
 Campbell, H. J., III. 1314
 Campbell, J. M. 345
 Candel, S. M. 1788
 Cann, R. G. 1345
 Cannon, R. W. 354
 Cantril, J. M. 495
 Capell, R. A. 1073
 Caputo, M. 271
 Carden, H. D. 881
 Carlin, J. F. 1233
 Carlson, E. V. 234
 Carlson, L. E. 584
 Carlson, M. 1538
 Carmen, S. L. 195
 Carnegis, I. A. 1703
 Carr, D. L. 1207
 Carta, F. O. 721
 Carter, L. 770
 Carter, S. A. 984
 Castellucci, G. R. 93
 Cauquelin, C. 184
 Cawthorn, J. M. 341
 Ceci, B. L. 1690
 Celeri, F. 926
 Cempel, Cz. 1733
 Cetliner, A. 1467
 Chakraborty, J. 1285
 Chamis, C. C. 1190, 2068
 Chanaud, R. C. 432, 2135
 Chandra, R. 1771
 Chandrasekharan, M. P. 651
 Chang, C. C. 490
 Chang, C. S. 1832
 Chang, F. H. 650
 Chang, I.-D. 1201
 Chang, K. Y. 1501
 Chao, T. 998
 Chapman, P. 2046
 Charles, J. G. 636
 Charnley, T. 1709

Chaskelis, H. H. 192
 Chekhovoi, Y. N. 213
 Chelapati, C. V. 964
 Chen, J. C. 20, 1838
 Chen, L.-T. 1632
 Chen, L. W. 422
 Chen, P.-C. 793
 Chen, S.-S. 375, 1928, 2039
 Chen, Y. M. 1332
 Cheng, L.-C. 86
 Cheng, N. C. 1240
 Cherepanov, G. P. 252
 Chertock, G. 1876
 Cheung, T.-Y. 967
 Chhabra, N. K. 687
 Chiang, T. 2072
 Chiba, C. 1559
 Chiesa, A. 926
 Chih-Ming, H. 44
 Chipman, R. R. 1315
 Chisholm, B. R. 1219
 Chiu, H. H. 1145
 Chon, C. T. 1322
 Chopra, A. K. 430, 1839
 Chorny, A. 1919
 Chou, C. C. 2124
 Chou, Yu. T. 150, 1654
 Chow, P. S. 1480
 Chow, T. S. 253
 Chow, T. Y. 310
 Chowdhury, P. C. 937
 Christensen, R. M. 1378
 Christiano, P. 296
 Christiansen, H. H. 439
 Chu, C.-M. 969
 Chu, S.-C. 1995
 Chu, W. T. 1830
 Chubbuck, E. R. 1283
 Chung, S. W. 1649
 Ciment, M. 1147
 Clapper, W. S. 1032
 Clark, A. V., Jr. 486
 Clark, B. 2036
 Clark, E. L., Jr. 1797
 Clark, J. G. 1510
 Clark, M. E. 86
 Clark, N. H. 502, 503
 Clark, T. L. 1291, 1292, 1325
 Clements, E. W. 592
 Clemons, A. 330
 Clevenson, S. A. 471
 Clifton, R. J. 73, 74
 Cline, R. C. 810
 Clingman, D. L. 281
 Close, W. H. 381, 617, 1169,

Cloud, R. L. 884
 Coates, S. W. 760
 Cockcroft, M. G. 2003
 Cockrell, D. J. 1646
 Cohen, B. I. 268
 Cohen, H. H. 914
 Cohen, J. S. 46
 Cohn, M. Z. 125
 Coker, M. J. 1626
 Cole, P. P. 2034
 Collins, R. G. 990
 Collins, T. P. 138
 Colliton, T. J. 1989
 Colman, R. 289, 290
 Colsher, R. 2002
 Colton, J. D. 1760
 Commerford, G. L. 1135
 Commins, D. E. 985
 Conrad, D. W. 914
 Conrad, E. W. 33
 Conrad, R. E. 2004
 Conte, F. L. 1850
 Conticelli, V. M. 530
 Conway, J. B. 78
 Cook, A. E. 846
 Cook, D. 693
 Cook, E. L. 1049
 Cook, J. C. 68
 Cook, L. L., Jr. 104
 Cook, R. M. 1004
 Cooley, W. C. 1958
 Copper, S. 380
 Cops, A. 331
 Cornell, C. A. 1523
 Corradi, L. 656, 774
 Cote, R. W. 1762
 Cottin, N. 744
 Couchman, J. C. 650
 Coward, W. E. 332
 Cowdry, D. R. 134, 311
 Cox, G. G. 394
 Coyle, H. M. 121
 Crabtree, R. B. 1109
 Crawford, F. W. 1161
 Creamer, L. R. 572
 Crespo da Silva, M. R. M. 206
 Cresswell, B. H. 502, 503
 Crews, S. T. 171
 Criswell, M. E. 1840
 Croce, C. A. 164
 Crocker, M. J. 1068
 Croft, R. H., Jr. 1797
 Croll, J. G. A. 945, 2028
 Cross, K. R. 281

Crossley, F.R.E. 1718
 Crouse, C. B. 1652
 Crout, P. D. 1001
 Crovello, J. P. 909
 Cuffel, R. F. 157
 Cummings, A. 124
 Cummings, G. F. 582
 Cummings, J. C. 673
 Cummins, D. P. 365, 366
 Cummins, J. R. 182
 Cumpsty, N. A. 45
 Cunniff, P. F. 209
 Cunningham, H. J. 227
 Cunningham, R. E. 1902
 Cunningham, S. L. 657
 Currie, P. K. 1379
 Cutchins, M. A. 607
 Cwach, E. E. 1661
 Cyphers, H. D. 52, 1755
 Czarnecki, R. M. 353
 Cziglengi, L. 1198
 Czzyryca, E. J. 842

D

Daftarian, K. 1264
 Dahlen, J. M. 687
 Daimaruya, M. 270
 Dain, C. G. 1747
 Dally, J. W. 91
 Dance, S. H. 1127
 Darlow, M. S. 698, 1425
 Das, Y. C. 544, 705, 1040, 1614
 Dasarathy, B. V. 205, 920, 955
 Dat, R. 2143
 Dat, T. 1141
 Datta, S. K. 1371, 1417
 Davenport, E. E. 1735, 2011
 David, T. S. 769
 Davies, H. G. 127, 1230, 1710, 1883
 Davis, A. M. J. 843, 844, 1396, 1560
 Davis, R. B. 688
 Davis, R. T. 966
 Davis, S. S. 1533
 Dawson, B. 1294
 De, P. K. 1433
 Dean, P. D. 2059
 Deb, K. K. 1761
 Debnath, L. 1561

DeCapua, N. J. 423
 Dekert, J. 2081
 Delcroix, J. L. 208
 DeLeys, N. J. 761
 Dellinger, E. 744
 Deman, J. A. 1824
 Demas, L. J. 196
 Demoulin, Y. M. J. 1332
 DenBuurman, R. 1200
 Dendy, J. E. 2026
 deNeufville, R. L. 1523
 Denke, P. H. 1319
 Denman, H. H. 575
 Denny, S. B. 694, 1340
 DeRaigniac, B. 46
 DeRosa, R. 1074
 deRosset, W. S. 1898
 DeSievers, A. 2132
 deSilva, B. M. A. 1293
 deSilva, B. M. E. 1683
 deSilva, C. W. 2029
 DesTroisMaisons, P. E. 1734
 Destuynder, R. 2116
 Deville, M. O. 2016
 Devost, V. F. 1920
 Dhaliwal, R. S. 1021
 Dhande, S. G. 1329
 Dhar, P. K. 1380
 Dick, R. A. 565
 Dickinson, S. M. 915
 Digges, K. H. 1781
 Digumarthi, R. V. 1830
 DiJulio, R. M., Jr. 912
 Dirks, D. D. 176
 Distefano, N. 1055
 Dittmar, J. H. 1120, 1785
 Doak, P. E. 238
 Doan, D. 424
 Dodd, G. 443, 444
 Doggett, R. V., Jr. 1307
 Domeck, D. 1599
 Dominguez, R. F. 1923
 Dominik, W. K. 620
 Done, G. T. S. 1164
 Dong, S. B. 707, 833
 Donnelly, T. 30
 Donovan, J. 417
 Doolan, P. 2047
 Dorian, R. A. 2082
 Dorsch, R. 1970
 Dorsch, R. G. 144, 145, 677, 2036
 Dostol, M. 214
 Douglas, R. A. 101, 676

Dowell, E. H. 189, 254, 1056
 Downing, S. 1393
 Drake, J. 1056
 Drazin, P. G. 661
 Drees, J. M. 2140
 Dreger, D. R. 623
 Drew, J. H. 215
 Drnevič, V. P. 1518
 Drosjack, M. J. 275, 276
 Drougge, G. 1185
 Drucker, D. C. 1739
 Drumheller, D. S. 834, 835
 Dryja, M. 1438
 D'Sena, G. O. 1723
 Dubois, R. P. 1233
 Dubourg, M. 184
 Dubowsky, S. 1154, 1996
 Duffield, R. C. 1588
 Dugundji, J. 1662
 Dunbar, W. R. 151
 Duncan, P. E. 1294
 Dunlap, D. F. 382
 Dunthorne, H. B. 624
 Durgin, W. W. 1241
 Durvasula, S. 887
 Dym, C. L. 632, 1936
 Dzialo, F. J. 531
 Dzygadlo, Z. 590

E

Earnhart, G. A. 901
 Eason, G. 518
 Eastep, F. E. 879
 Eberhardt, A. C. 766
 Edelstein, W. S. 1406
 Edwards, G. R. 841
 Edwards, P. R. 981
 Edwards, R. G. 1112, 1815
 Edwards, R. M. 1869
 Eenenkov, V. G. 1877
 Efferding, L. E. 12
 Efimov, A. B. 699
 Egle, D. M. 1236
 Eheart, R. L. 57
 Ehlers, E. F. 1265
 Ehn, G. 1969
 Elde, G. R. 1319
 Einaude, F. 1520
 Eisenberg, A. 11
 Eisenberg, M. A. 493
 Eisenberg, N. A. 1911

Abstract Numbers:	1-202	203-401	402-601	602-779	780-944	945-1145	1146-1326	1327-1506	1507-1671	1672-1841	1842-2014	2015-2146
Volume 7												
Issue:	1	2	3	4	5	6	7	8	9	10	11	12

Eisenstat, S. C.	403
Eisley, J. G.	1437
Elbatouti, A. M.	1835
El-Bayoumy, L. E.	1930
Eldred, K. M.	979
El Hafez, M. B.	126
Eline, C.	25
Elishakov, I. B.	1250
Elliott, J. P.	487
Ellis, J. R.	1476
Ellis, N. D.	861
Elmallaway, A.	1692
Embury, W. R.	1314, 1316
Emmerson, M. A.	915
Engblom, J. J.	1711
Enke, K.	804
Epstein, H. L.	2111
Epstein, M.	1927
Erdman, A. G.	1430
Eringen, A. C.	474
Ertel, H.	363
Eschbach, W. H. F. C.	2104
Eshleman, R. L.	768, 1344
Esparza, V.	1316
Euler, J. A.	647
Euvrard, D.	235
Evans, D. V.	1012
Evans, J. H.	2129
Evans, J. M.	1112
Evenson, H. A.	749
Eversman, W.	1049

F

Fachbach, H.	338
Fahy, F. G.	1765
Faiz, A.	1655
Falarski, M. D.	152
Falco, M.	1603
Falk, J. E.	785
Fam, A.	1804
Fandrich, R. T., Jr.	94
Fanstone, J.	765
Fante, R. L.	1998
Farewell, T. E.	1196
Faulkner, L. L.	517, 1443
Fax, G. E.	1089
Fayon, A.	1466
Feher, G.	1206
Feiler, C. E.	1254
Felsen, L. B.	422
Feng, W. H.	477

Feo, A.	1545
Ffowcs Williams, J. E.	1075
Fiacco, A. V.	785
Filho, T. D. R.	112
Finke, H. -O.	904
Fisher, H. D.	312, 1434
Fisher, J. W.	1227
Fisher, M. J.	2059
Fitzgerald, R. M.	1534
FitzSimons, N.	1637
Fix, G. J.	1517
Fleeter, S.	1306, 1326
Fleming, D. P.	1902
Flemming, G.	1005
Flint, W. H.	675
Flynn, J.	1330
Foch, J. D., Jr.	210
Fogg, R. G.	342
Fomichev, V. M.	95
Foreman, J. E. K.	915
Foresman, J. L.	1912
Forghieri, R.	236
Forrestal, M. J.	1405
Forshaw, S. E.	2126
Fortenberry, J.	678
Fost, R. B.	1197
Fothergill, J. W.	629, 630
Fothergill, P. A.	629, 630
Fourney, W. L.	91
Fowler, J.	397
Fox, H. L.	1089
Frain, W. E.	197
Fram, D. M.	382
France, D.	2041
Franzmeyer, F. K.	1170
Frasca, R. L.	2035
Freberg, C. R.	414
Fredberg, J. J.	1345
Fredette, P. H.	48
Freeman, F. D.	1986
Freeze, T. W.	1443
Freudenstein, F.	1855, 1856
Freytag, J. C.	1024
Friberg, R.	1450
Frick, J. K.	1987
Fried, I.	410, 1155
Friedinger, Chr.	777
Friedman, D.	1111
Friedman, K.	1111
Friedman, R.	154, 159, 333
Friedmann, P.	695, 736
Friedrich, H.	416, 965
Friedrich, L. A.	1726
Frietzsche, G.	762

Froidevaux, M. R.	687
Fructus, J.	25
Frye, D. E., Jr.	1802
Frye, M. J.	1945
Fu, F. C. L.	1373, 1687
Fuchs, H. V.	2051, 2117
Fuder, G.	363
Fukuma, H.	876
Fukuoka, H.	2101
Fung, Y. -C.	1610
Funk, J. E.	845
Furio, A. J., Jr.	107, 1769
Furman, H.	1435
Furr, H. L.	1727
Fyfe, I. M.	1381

G

Gabel, R.	359
Gabriel, R. F.	572
Gale, C. M.	162
Gallagher, A. P.	262
Galletly, G. D.	229
Galloway, T. L.	40
Gamba, P.	2087
Gamble, J. F.	900
Gamer, U.	1363
Ganesan, N.	1244
Ganz, U. W.	1291, 1292, 1325
Garb, S.	373
Garba, J. A.	20
Gardner, T. N.	463, 1996
Garner, H.	1037
Garnett, J. R.	1842
Garrett, K.	1174
Gasparetto, M.	1603
Gatley, W. S.	237, 357
Gatzoulis, J.	842
Gaubert, G.	2015
Gaudriot, L.	591
Gaukroger, D. R.	6
Gautensen, A. K.	857
Gayman, W. H.	1221
Gearhart, W. S.	1841
Geers, T. L.	1717
Gegesky, P. S.	854
Geis, H.	2145
Gekeler, E.	957
Gelder, T. F.	1036, 1120, 1823
Gell, M.	1728
Genin, J.	922, 947, 1059, 1377

Abstract Numbers:	1-202	203-401	402-601	602-779	780-944	945-1145	1146-1326	1327-1506	1507-1671	1672-1841	1842-2014	2015-2146
Volume 7												
Issue:	1	2	3	4	5	6	7	8	9	10	11	12

Genkin, A. G. 174
 Gens, M. B. 464
 George, A. R. 1367
 George, G. R. 1850
 George, W. K. 1093
 Geradin, M. 880
 Gerdeen, J. C. 1436
 Gergely, P. 376
 Gerlach, R. 1878
 Gershunov, E. M. 1228
 Gething, J. M. 1503
 Ghandour, E. 798, 1544, 1861
 Gchori, Q. K. 217
 Ghosh, A. 651
 Ghosh, M. L. 483, 484
 Ghosh, N. C. 1772
 Giardino, D. A. 451
 Gibson, J. D. 1513
 Gibson, J. S. 153, 1459, 1619
 Gibson, P. T. 1762
 Gibson, R. D. 846
 Gieck, J. E. 328
 Gierlinski, J. 1611
 Gilbert, E. G. 1702, 1851
 Gilbert, P. A. 1204
 Gilbert, W. E. 107, 1769
 Gilchrist, A. J. 1187
 Gill, K. F. 1503
 Gilles, G. 263
 Ginsberg, J. H. 922, 947, 1672, 1712
 Givens, L. 1782
 Gjaevenes, K. 741
 Gladwell, G. M. L. 1148
 Glaser, A. R. 465
 Glass, I. I. 1546
 Glass, R. E. 163, 343, 1094
 Glat, C. R. 1873, 1874
 Glienicke, S. 839
 Godet, M. 1038
 Goel, S. K. 1708
 Goeller, J. E. 468
 Goethert, B. H. 1783
 Goetz, R. C. 1307
 Goff, J. G. 578
 Göhring, R. 700
 Goldhammer, M. I. 1177, 1266, 1267
 Goldman, D. 905
 Goldsmith, W. 351
 Goldstein, J. 24, 360
 Goldstein, M. E. 445, 1120, 1460
 Golladay, R. L. 149
 Gomperts, M. C. 222

Gong, C. 1539
 Gongloff, H. R. 1666
 Gonter, R. H. 1181
 Goodman, J. R. 1840
 Goodykoontz, J. H. 144, 145, 1091, 1970
 Gopalacharyulu, S. 1042
 Gordon, C. G. 636
 Gorholt, W. 923
 Gorman, D. J. 1229
 Gorzynski, J. W. 1341
 Gosselin, D. 1126
 Gottenberg, W. G. 1417
 Graf, E. R. 714
 Graf, G. A. 1291, 1292, 1325
 Graff, J. 65
 Graham, B. B. 47
 Graham, E. W. 47
 Graham, K. D. 1521
 Grande, E. 1786
 Grant, A. J. 847
 Grant, G. N. C. 1293, 1683
 Grant, J. L. 1154
 Grant, J. W. 1411
 Graves, R. A., Jr. 60
 Graves, R. D. 49
 Green, A. E. S. 807
 Green, K. S. 1461
 Greene, J. E. 1446
 Greene, P. R. 1269
 Greene, W. W. 1815
 Greer, C. R. 1990
 Greer, H. 692
 Griffin, G. T. 689
 Griffin, L. I. III. 31
 Griffin, O. M. 868, 1924
 Griffin, W. M. 662
 Griffith, E. D. 1620
 Griffith, W. C. 291
 Grigoryants, N. M. 1938
 Grimm, T. R. 1436
 Groeneweg, J. F. 1785
 Groesbeck, D. 910, 1091, 2113
 Grootenhuis, P. 481
 Grosjean, F. 235
 Grote, P. 382
 Grybos, R. 1418
 Gryczmanski, M. 1338
 Grzedziński, J. 344
 Gu, A. L. 305
 Gubser, J. L. 595
 Guignard, J. C. 1023
 Guinn, W. A. 153
 Gulkan, P. 940

Gunderson, R. H. 1467
 Gunter, E. J., Jr. 1132, 1902
 Gupta, K. K. 440
 Gupta, P. K. 1198
 Gururaja, K. 1433
 Guss, J. 1163
 Gustafsson, B. 800
 Gutierrez, O. A. 333, 1803
 Guzman, R. 1652
 Gvozdev, A. A. 992

H

Haardt, R. 1038
 Habedank, G. 604
 Hachmeister, L. E. 1202
 Hadjian, A. H. 1162, 1163, 1172, 1301, 1302
 Haering, R. R. 1117
 Haftka, R. T. 1852
 Hagiwara, H. 1448
 Haglund, G. T. 817
 Hague, D. S. 1873, 1874
 Hahn, C. 1013
 Hahn, E. J. 1044
 Hahn, O. 878
 Hahn, P. G. 421
 Haight, E. C. 1298
 Haines, D. W. 709
 Hakimi, A. H. 1066
 Hale, J. K. 1524
 Hall, P. 1014
 Hamada, M. 888
 Hammitt, G. M., II. 2005
 Hammond, C. E. 567, 737
 Handley, J. C. 1715
 Hanners, R. J. 1933
 Hanse, J. G. 851
 Hanson, P. W. 1698
 Harada, S. 1390
 Hargett, E. 2006
 Harkonen, D. L. 1095, 1452, 1462, 1959
 Harlow, M. W. 1816
 Harman, D. J. 1271
 Harmening, R. D. 595
 Harper, A. D. 1131
 Harrington, C. A. 1600
 Harrington, R. M. 81
 Harris, S. E. 1999
 Harris, W. L., Sr. 446
 Harrison, G. F. 2003

Abstract Numbers:	I-202	203-401	402-601	602-779	780-944	945-1145	1146-1326	1327-1506	1507-1671	1672-1841	1842-2014	2015-2146
Volume 7												
Issue:	1	2	3	4	5	6	7	8	9	10	11	12

Harrison, R. T.....	750	Hersh, A. S.....	1451	Hontschi, H.....	383, 811
Hart, G. C.....	912, 938	Hershey, R. L.....	1165, 1268	Hooker, R. J.....	1528
Hartemann, F.....	1466	Hershfield, D. J.....	198	Hopler, P. D.....	733
Hartl, F. B.....	1255	Heuschkel, D. B.....	1527	Horn, W.....	770
Hartman, R.....	1076	Hewitt, J. S.....	701	Hornby, R. P.....	1562
Hartz, B. J.....	1016	Heymann, R.....	360	Horstman, C. C.....	1582, 2063
Harvey, J. W.....	1635	Hibbert, J. H.....	218	Horstman, S. W.....	1034, 2038
Hashimoto, K.....	420	Hickman, C. E.....	618, 633	Horvay, G.....	1773
Hassab, J. C.....	48, 1156	Hieber, G. M.....	625, 1547	Hoshi, T.....	428, 2009
Hassan, H. A.....	612	Higgins, T. H.....	1165	Hosier, R. N.....	1494
Hasselman, T. K.....	938	Hill, J. T.....	1659	Hosokawa, I.....	1913
Hatakeyama, T.....	358	Hill, R.....	801	Houbolt, J. C.....	1308
Hattori, T.....	524	Hill, W. G., Jr.....	1269	Houser, D. R.....	275, 276
Hauck, L. T.....	1704	Hiller, W. J.....	652	Housner, J. M.....	816
Haug, A.....	49	Hillier, A. J.....	1961	Howard, P. L.....	282
Haug, E. J., Jr.....	1479	Hillig, W. B.....	643	Howe, M. S.....	825, 986
Haviland, J. K.....	958	Hillquist, R. K.....	2042	Howell, W. E.....	248
Hawkings, D. L.....	1879	Hills, N. A.....	841, 1193	Hsiao, M. H.....	961, 1479
Hawley, M. A.....	1828	Hilton, D. A.....	172, 512, 907, 1083, 2142	Hsieh, D. Y.....	447
Hawthorne, V. T.....	1033			Hsieh, T.....	2065
Hay, J. K.....	1121	Hinckley, W. M.....	1553	Hsu, C. S.....	1497
Hayashi, C.....	566	Hinterkeuser, E. G.....	388, 738	Hsu, J. C. C.....	73, 74
Hayashi, K.....	525	Hirabayashi, T.....	334	Huang, B. K.....	713
Hayek, S. I.....	1242	Hiramatsu, K.....	420	Huang, C. C.....	442, 1774, 2105
Hayhurst, D. R.....	2131	Hiromitsu, S.....	419	Huang, C.-L.....	948
Hazell, C. R.....	679	Hitchings, D.....	1127	Huang, H.....	314
Head, V. L.....	143	Hlavacek, M.....	836	Hubbard, H. H.....	1627
Healy, G. J.....	1798	Ho, C.-H.....	1437	Huff, R. G.....	2036
Heebink, T. B.....	1960	Ho, D.....	398	Huggan, M. J.....	2114
Hegarty, R. F.....	755, 1939	Hochheiser, R. M.....	526	Huggins, S. L.....	2099
Hegemeier, G. A.....	66	Hodder, B. K.....	1096	Hughes, A. D.....	1164
Hehmann, H.....	330	Hodge, C. G.....	2032	Hullender, D. A.....	1186, 1281
Heidelberg, L. J.....	906, 1078, 1624	Hodges, D. H.....	1812	Hung, C.-M.....	264
Heins, C. P., Jr.....	911	Hodgetts, D.....	927	Hunt, J. T.....	75, 1027
Heldenbrand, R. W.....	1077	Hodgson, J. P.....	1747	Hunt, K. H.....	1718
Heller, A. S.....	1725	Hoelscher, H.....	1251	Hunter, D. O.....	658
Hellriegel, E.....	1128	Hoernqvist, N.....	1748	Hunter, G. H.....	1881
Hemdal, J. F.....	853, 1035	Hoff, G. C.....	1954	Hunter, N. M., Jr.....	230
Henderson, F. M.....	313, 1705	Hoffman, D.....	395	Hunter, S. C.....	1589
Henderson, H. R.....	172, 512, 907, 2142	Hoffmann, R.....	1256	Hurdle, P. M.....	1091
		Hoge, H. J.....	1001	Hussain, M.....	217
Henderson, J. P.....	546	Hohenemser, K. H.....	169, 170, 171, 1339, 1495, 1596	Hussainy, S. A.....	204
Henderson, R. E.....	1295			Huston, R. L.....	1816
Hendrickson, A. A.....	749	Holasek, R. S.....	1277	Hutchens, W. A.....	1298
Henrikson, R. L.....	460	Holnagel, H. E.....	1477	Hutchinson, L.....	150
Henriquez, T. A.....	1880	Holloway, D. C.....	91	Hutchinson, R. L.....	1654
Henschel, F.....	606	Holmes, B. S.....	1216	Hutter, K.....	1051
Henshell, R. D.....	1579	Holmes, R.....	214	Huttsell, L. J.....	725
Herbst, H. C.....	1787	Holt, J. A.....	1503	Hwang, R.....	1178, 1183
Herman, H.....	1693	Holtman, R. L.....	1306		
Herrera, I.....	14	Homans, B.....	646		
Herrmann, G.....	1760	Homicz, G. F.....	722, 723		
Herron, D. L.....	959	Homyak, L.....	1624		
Herron, K. H.....	6	Honjo, M.....	828		

Abstract Numbers:	1-202	203-401	402-601	602-779	780-944	945-1145	1146-1326	1327-1506	1507-1671	1672-1841	1842-2014	2015-2146
Volume 7												
Issue:	1	2	3	4	5	6	7	8	9	10	11	12

I	
Ichikawa, T.	2118
Idemen, M.	782
Iemura, H.	730
Ignaczak, J.	1382
Ikawa, N.	1648
Ikegami, S.	168
Ikui, T.	265, 828
Ilgamov, M. A.	702
Inada, H.	1822
Inada, S.	390
Inagaki, M.	299
Inami, Y.	1648
Indulkar, C. S.	1808
Ingard, U.	266
Ingram, L. L.	1727
Inoue, K.	1605
Inoue, Y.	1667
Inove, M.	1493
Irvine, M.	729
Irwin, J. D.	714
Isenberg, J.	412
Isermann, R.	802
Ishida, K.	378
Ishikawa, H.	270
Ismailzadeh, E.	415
Ismar, H.	1940
Issid, N. T.	130
Ito, Y.	1551
Iwai, S.	1689
Iwan, L. S.	559, 1212
Iwan, W. K.	399
Iwashimizu, Y.	1737
Iyengar, R. N.	1567, 1738

J	
Jacko, M. J.	1826
Jackson, J.	345
Jacob, D.	1376
Jacobson, I. D.	974, 1915
Jacobson, M. J.	1510
Jaeschke, M.	652
Jain, A.	1055
Jain, R. K.	889
Jain, S. C.	1444
James, J. H.	216
James, R. R.	437
Jameson, A.	1971

Jan, H. Y.	1835
Janach, W.	2090
Janeway, R. N.	1472
Jansson, E. V.	233, 864
Jeannon, J. M.	1646
Jefferis, R. P.	1277
Jendrzeczyk, J. A.	1928
Jennings, G.	685
Jennings, P. C.	730, 1652
Jenrette, B. D.	913
Jenson, J. E.	749
Jewett, R. P.	2074
Johannesan, N. H.	1562
Johns, A. L.	142
Johns, K. C.	249
Johns, R. H.	871
Johnson, A. P.	1205
Johnson, C. D.	1217
Johnson, D. L.	1023
Johnson, H. B., Jr.	104
Johnson, H. C.	1350
Johnson, H. K.	1108
Johnson, J. E.	70
Johnson, M. R.	1006, 1129
Johnson, W.	608, 1987
Johnston, J. P.	2056
Johnston, S. B.	1608
Jones, A. J.	175
Jones, A. T.	1413
Jones, B.	1473
Jones, D. I. G.	250, 479, 653
	1046, 1903
Jones, E. R.	1899
Jones, I. S.	1487
Jones, N.	109, 1953
Jones, R.	703
Jones, R. M.	1729
Jones, T. G.	1414
Jones, W. L.	906, 1078, 1624
Jones, W. N.	938
Jones, W. P.	173
Jordaan, I. J.	1669
Jubb, J. E. M.	1504
Jung, E. J., Jr.	2099
Junger, M. C.	1359, 1882
Jupe, R. J.	935
Jury, E. I.	203
Justusson, J. W.	1489
Jutras, R. R.	1079, 1122

K	
Kachru, R. P.	1066
Kagawa, Y.	358, 2085
Kage, K.	489
Kaiser, J. E.	1050, 1175
Kajland, A. R.	555
Kaliski, S.	1365, 1892
Kallis, S. A., Jr.	2043
Kam, Z.	1206
Kamal, M. M.	1489
Kameda, H.	2012
Kameyana, A.	1689
Kanai, T.	1689
Kandianis, F.	207
Kane, E. J.	817
Kane, T. R.	1150
Kang, C.-K.	191, 1056
Kant, S.	883
Kanwal, R. P.	848
Kao, G. C.	495, 530, 1412, 1501
Kaplan, R. E.	2119
Karafiath, L. L.	751
Karasin, I. A.	1333
Karchmer, A. M.	154
Karimova, R. K. H.	1419
Karnes, C. H.	1220
Karnopp, D.	715
Karp, S. N.	2, 1860
Karpov, N. I.	1110
Kartyshev, B. N.	79
Kashmar, G.	1599
Kassoy, D. R.	269, 1336
Kato, D. J.	1513
Kato, H.	581
Kato, M.	327
Kaul, M. K.	400
Kausel, E.	941
Kautz, E. F.	155
Kawagoe, H.	1234
Kawagoe, S.	489
Kawakami, F.	102
Kawamoto, M.	1388
Kawano, M.	1667
Kaye, A. S.	1028
Kaye, M. C.	1070
Kayser, K. W.	1166
Kaza, K. R. V.	1199
Kazakia, J. Y.	67
Kazin, S. B.	1079, 1080, 1122, 1296
Keegan, W. B.	287, 2037

Abstract Numbers:	I-202	203-401	402-601	602-779	780-944	945-1145	1146-1326	1327-1506	1507-1671	1672-1841	1842-2014	2015-2146
Volume 7												
Issue:	1	2	3	4	5	6	7	8	9	10	11	12

Keil, E.	583	Kobayashi, S.	168	Kulkarni, G. G.	1684
Keller, A. C.	1647	Kobayashi, T.	1429	Kulkarni, G. R.	1594
Keller, J. B.	1569, 1925, 2000	Kobrin, M.	1389	Kulkarni, S. V.	286
Kempner, J.	136	Koehler, B. R., Jr.	1914	Kumar, S.	1668
Kendall, F., III	135	Koehler, H. P.	752	Kumegawa, H.	390
Kendall, J. M.	1563	Koehler, R.	1972	Kunieda, H.	1309
Keningsberg, I. J.	15	Koenig, D. G.	152	Kunukkasseril, V. X.	352
Kennedy, J. M.	183	Koerner, R. M.	494		1039, 1609
Kennedy, T. C.	1688	Koh, S. L.	477, 1375	Kunze, R. K., Jr.	1713
Kenner, V. H.	1222	Kohn, W.	1372	Kuo, J. T.	1539
Keranen, T. W.	1826	Koita, I.	1913	Kuramitsu, M.	566
Kerr, A. D.	110	Kojima, N.	1653	Kurowski, W.	2081
Kessler, F. M.	1360	Kolakowski, H.	1438	Kurtz, F. A.	23
Kessler, R. A.	1451	Komenda, R. A.	2091	Kurz, K.	717
Keyes, J. W.	58	Komicz, G. F.	1133	Kurze, U. J.	867
Khachaturian, N.	1509	Komkov, V.	1439	Kurzweil, L. G.	1962
Khalil, T. B.	351	Kondo, Y.	2138	Kussoy, M. I.	2063
Khare, A. K.	1285	Konish, I.	190	Kusza, T. J.	578
Khetan, R. P.	77	Konishi, T.	667, 668	Kutler, P.	1625
Kikkawa, H.	1653	Konotop, V. A.	995	Kuttlar, J. R.	784
Kikuchi, T.	1498	Kopyton, V. I.	936	Kuttruff, H.	50, 1548
Kilgore, R. A.	1735, 2011	Korchenko, F. F.	1333	Kuzanek, J. F.	404
Killion, M. C.	1407	Korostelev, Yu. A.	1410	Kuz'menko, V. A.	1007
Kim, B. K.	513	Korotikh, Yu. G.	704	Kuzmin, N. V.	1571
King, A. I.	2124	Kosiński, W.	991	Kuznetsov, A. A.	1366
King, D. A.	488	Koss, L. L.	449, 450	Kuznetsov, V. V.	992
King, J. T.	968	Koster, M. P.	1997		
King, R. J.	805	Kostyuchenko, V. N.	1895		
King, W. W.	316	Kotake, S.	2050		
Kinkel, H.-J.	383	Kotera, T.	389		
Kinner, E. B.	355	Kovaszny, S. G.	44		
Kinney, R. B.	87	Kowalski, E. J.	370	Lachance, L.	1778
Kinney, W. A.	448	Kraak, W.	363	Lafferty, J. F.	1112
Kirby, C. A.	1921	Kracht, L.	363	Lagerquest, R. E.	586
Kirchner, H. P.	840	Kraft, R.	1029	Lai, Y.-S.	472
Kirk, C. L.	1159	Krajcinovic, D.	315, 1420	Laible, J. P.	376
Kirk, R. G.	1132	Krauter, A. I.	931, 1488, 1827	Laing, E. J.	568, 1811, 1828
Kirkhart, J. L.	475	Krawinkler, H.	686	Laing, V. C.	942
Kirkpatrick, R. A.	1213	Kreil, W. F.	790	Lake, B. M.	88
Kitamura, T.	2009	Kreskovsky, J. P.	1098	Lakin, W. D.	1421, 1862
Kitaoka, S.	1556	Krings, W.	953	Lakomy, C.	2017
Kjeldgaard, M.	1580	Krishnamoorthy, C.	140	Lakshminarayana, B.	1841
Klein, L. R.	783, 1320	Krishnan, R.	1768	LaMar, F. S.	909
Klingerman, D. J.	1227	Krishnappa, G.	1123	Lambert, E.	331
Klopfenstein, A.	1639	Krol, H. R.	605	Lambert, R. F.	259, 1955
Klosner, J. M.	539	Kross, D. A.	509	Lampe, G.	336
Kluwick, A.	654	Krueger, A. B.	1415	Lamvern, L. E.	1019
Knapp, C. F.	573	Krukar, M.	68	Landahl, M. T.	1564
Knight, W. A.	1289	Krupka, R. M.	1415	Landauer, J. P.	1171
Knittel, M. R.	75, 1538	Krzywoblocki, M. Z. V.	1700	Landen, T.	1969
Knoer, H.	1988	Ku, W. H.	2125	Landgraf, R. W.	1353
Ko, D. R. S.	88	Kubo, J. T.	837	Lane, S. R.	971
Ko, H.-N.	1556	Kudryavtsev, Ya. B.	202	Lanfranchini, J. J.	928
Ko, S.-H.	335	Kuehne, A.	970	Lang, J. D.	663
Kobal, M. T.	649	Kuhn, G.	2092	Lang, M. A.	632, 1936

Abstract Numbers:	1-202	203-401	402-601	602-779	780-944	945-1145	1146-1326	1327-1506	1507-1671	1672-1841	1842-2014	2015-2146
Volume 7												
Issue:	1	2	3	4	5	6	7	8	9	10	11	12

Langdon, L. E. 572
 Langenbucher, V. 1257
 Langhaar, H. L. 272
 Langhaar, J. W. 2130
 Langrana, N. A. 1934
 LaPointe, N. R. 1353
 Lardner, R. W. 780, 2064
 Larguier, R. 2132
 Larsen, G. R. 1167
 Larson, G. M. 1447
 LaSalle, J. P. 1524
 Latta, G. E. 975
 Laufer, J. 2119
 Laura, P. A. A. 308, 690, 890
 Lauvstad, V. R. 634
 Laval, P. 1973
 Lawrence, J. H., Jr. 1626
 Leasure, W. A., Jr. 1081, 2136
 Ledbetter, R. H. 1490
 Lederer, P. S. 1031
 Lee, C. D. 934
 Lee, C. M. 1836
 Lee, E. H. 1191, 1739
 Lee, H. Y. 629, 630
 Lee, K. P. 1883
 Lee, L. H. N. 32, 319
 Lee, L. S. S. 1238
 Lee, P. C. Y. 998, 1057
 Lee, R. A. 740
 Lee, R. M. 1535
 Lee, T. W. 1052
 Leech, J. W. 326
 Leehey, P. 1230
 Legowski, Z. 457
 Lehmann, P. 1887
 Lehnhoff, T. F. 320, 1440
 Leibowitz, L. P. 1753
 Leibowitz, R. C. 535
 Leigh, B. R. 882
 Leipholz, H. H. E. 1505
 Leis, B. N. 1008
 Lenders, H. -J. E. 1105
 Leonard, R. G. 803
 Lepor, M. 1252
 Leppert, E. L. 594
 Leprince, P. 208
 Leshner, M. D. 1801
 Lester, H. C. 2146
 Leung, C. K. 1826
 Leventhal, S. H. 1147
 Levy, A. 2100
 Lew, M. 912
 Lewis, C. H. 944
 Lewis, G. W., Jr. 1823

Lewis, J. E. 88
 Lewis, R. E. 201
 Liaw, C. -Y. 1839
 Libai, A. 2108
 Librescu, L. 1136
 Lieblein, S. 33
 Liechti, K. 1221
 Lien, S. 2096
 Liertz, H. 2080
 Lilley, G. M. 626
 Lilov, L. 1854
 Lin, C. -C. 316
 Lin, K. H. 1489
 Lin, Y. K. 111, 1424
 Lindberg, H. E. 139, 1688
 Lindley, J. H. 909
 Lindvall, T. 1642
 Lins, W. F. 740
 Lippmann, S. A. 763
 Liss, A. Yu. 119
 Liss, W. J., Jr. 423
 Little, R. A. 764
 Liu, C. H. 987
 Liu, C. -H. 1964
 Liu, D. 1835
 Liu, J. T. C. 1975, 2076
 Liu, T. K. 355
 Livolant, M. 184
 Lo, D. L. C. 1708
 Lo, D. L. -C. 2023
 Lobitz, D. W. 521
 Lochner, N. M. 1305
 Lockhart, D. 1775
 Longley, C. S. 1276
 Longman, R. W. 1855, 1856
 Lonomarevyn, S. D. 2094
 Lopes, O. 1508
 Lopez, M. L. 1266, 1267
 Lord, A. E., Jr. 494
 Lord, H. W. 749
 Lordi, J. A. 722, 723
 Lotz, R. 1962
 Lou, C. L. 1422
 Lowder, E. M. 1799
 Lower, M. C. 1280
 Lowrie, B. W. 45
 Lowson, M. V. 935, 1235, 1675, 1879
 Lu, J. -F. 317
 Lucas, J. G. 1825
 Lucas, J. J. 999
 Lückel, J. 903
 Luco, J. E. 1162, 1172, 1275, 1301

Ludwig, G. 1583
 Lukes, D. L. 975
 Lunan, J. 1351
 Lundergan, C. D. 835
 Luukkala, M. 859
 Lyamshev, L. M. 346
 Lynch, J. E. 1190
 Lysmer, J. 1178, 1183
 Lyutiy, O. I. 1099

M

MacBain, J. C. 1377
 Macinante, J. A. 99, 502, 503
 Mack, L. M. 1511
 Mack, R. A. 692
 MacKenzie, A. 1677
 Madariaga, R. 1273
 Madden, R. 509
 Maeda, Y. 1677
 Maestrello, L. 987
 Maga, L. J. 108, 1208, 1922
 Maginnis, F. X. 905
 Maglieri, D. J. 1627
 Magliozzi, B. 1630
 Magnus, R. 724
 Mahalingam, S. 306, 401, 1740, 2071
 Maidanik, G. 775
 Maier, G. 656
 Malchaire, J. B. 1034, 2038
 Malkus, D. S. 1155
 Mallick, P. 1897
 Malvern, L. E. 309
 Malyi, V. I. 699
 Mamaros, T. C. 1413
 Manabe, K. 1982
 Manhart, J. K. 245
 Mani, R. 156
 Mann, M. J. 829
 Mannering, M. E. J. 1573
 Manning, J. E. 1345
 Mansour, W. M. 112, 1286
 Mantei, T. D. 208
 Maradudin, A. A. 657
 Marble, F. E. 1788
 Marchertas, A. H. 183, 1941
 Marco, S. M. 517
 Marcus, A. H. 61
 Marcus, S. I. 1716
 Marcuson, W. F., III. 1983
 Margulis, G. U. 119

Abstract Numbers:	1-202	203-401	402-601	602-779	780-944	945-1145	1146-1326	1327-1506	1507-1671	1672-1841	1842-2014	2015-2146
Volume 7												
Issue:	1	2	3	4	5	6	7	8	9	10	11	12

Marin, L.	818	McConville, J. H.	1723	Metsger, R. F.	1404
Mark, W. D.	564	McCormick, G. P.	785	Mettler, E.	1904
Markenscoff, X.	1057	McCormick, M. A.	1453	Metz, B.	1113
Marks, C. C.	1959	McCormick, M. M.	22	Meyer, A. H.	187
Markus, S.	113, 480	McCorquodale, J. A.	1566	Meyers, W. G.	1663
Maropis, N.	1821	McCoy, D. F.	1112	Michalke, A.	2051
Marquardt, J. F.	929	McCroskey, W. J.	1097	Michalopoulos, C. D.	406
Marraccini, L. C.	451	McCullough, B. F.	1628	Michel, A. N.	1512
Marrs, C. C. ...	1095, 1452, 1462	McCutcheon, E. P.	573, 1112	Miedema, H. J.	129
Marsden, M. J.	1062	McCutcheon, W. J.	1506	Miele, A.	1843
Martens, H. R.	1167	McElvaney, J.	80	Miklowitz, J.	542
Martin, A. E.	1009	McErlean, D. P.	1720	Milder, G.	1665
Martin, A. M.	1280	McEwan, A. D.	1397	Miles, J. H.	2052
Martin, D. N.	1716	McGregor, H. N.	288	Miles, J. W.	1015
Martin, D.	1836	McIntosh, S. C., Jr.	1833	Miller, B. A.	149
Martin, R.	904, 1343	McIvor, I. K.	21	Miller, C. G., III	1893
Martin, S.	1202	McKibben, J. S.	584	Miller, J. D.	433
Martin, W. W.	2075	McKinzie, D. J., Jr.	1714	Miller, R. E.	272
Martz, J. W.	1121	McLaughlin, D. K.	1629	Miller, R. F.	865
Mase, M.	888	McLeod, J. B.	1749	Miller, R. K.	418, 455
Mashif, A. D.	1046	McNamee, B. M.	1227	Miller, R. W.	1354
Mashinter, W.	382	McRae, G. J.	16	Miller, W. H.	310
Masiak, J. E.	516	Meacham, H. C.	1124, 1125	Miller, W. R.	1907
Mason, C. H.	858	Mead, D. J.	2060, 2061	Milner, J. L.	1298
Mason, D.	22	Meckert, C.	1857	Minagawa, S.	1373
Mason, D. R.	1635	Medeiros, A. A.	902	Miner, E. W.	994
Mason, J. M.	1963	Medwin, H.	51	Minich, M. D.	2068
Masri, S. F.	949, 1149	Mee, A. L.	1669	Minzner, W. R.	1296
Massier, P. F.	157	Meecham, W. C.	1096, 1974	Mironov, P. S.	641
Masuko, M.	1551	Meek, J. W.	732, 1809	Mishoe, J. W.	26
Matczynski, M.	2092	Meier, G. E. A.	652	Mishra, A. K.	943
Mather, S. S.	1536	Meinjes, K.	1706	Misra, P. N.	2141
Mathews, D. E.	1081	Meirovitch, L. ...	405, 1694, 1837	Mistry, J.	229
Mathieussent, G.	208	Meissner, E.	1992	Mitchell, J.	577
Matsuda, T.	378	Meligi, A. E.	1581	Mitchell, J. S.	438, 1287
Matsumoto, M.	190	Mellert, V.	1878	Mitschke, M.	1767
Matsu, K.	265, 489, 828	Mellin, R. C.	1483	Mixon, L. C.	465
Matthes, T.	379	Melling, T. H.	1119	Miyakawa, R.	594
Mattingly, G. E.	490	Melnkov, B. N.	146	Mizota, T.	1499
Mau, S.-T.	137	Melosh, R. J.	1673	Mohansingh, R.	962
Maus, J. R.	349	Melvin, R. H.	1871	Mohnkern, G. L.	1082
May, D.	181	Menahem, A. B.	1383	Mohr, G.	380
May, R. G.	593	Mendelson, E.	1670	Montegani, F. J.	506
Mayer, G. M.	1217	Menditto, G.	1592	Monterroso, M. R.	1923
Mayer, J. E.	1258	Menzies, G. E.	547	Montgomery, G. L.	1391
Mayne, R. W.	1850	Merkine, L. -O.	1975, 2076	Montgomery, S. T.	647
Maytum, B.	194	Merkli, P.	1565, 2079	Mook, D. T.	521, 543, 2110, 2128
Mazumdar, J.	701, 703	Merriman, J. E.	1254	Moon, D. M.	1909
McAulay, A. D.	1724	Merritt, D. W.	437	Moon, F. C.	1640
McBryan, J.	646	Merz, E. J.	1446	Moon, L. F.	1631
McCanless, G. F., Jr.	674	Mescall, J.	466	Moore, W. M.	1531
McCann, E. O.	1032	Messenger, H. E.	1484	Moorhem, W. K. V.	1367
McCloy, C.	1427	Messiter, A. F.	993	Moravets, I.	96
McClure, R. B.	1306	Metger, F. B.	1630		

Abstract Numbers:	1-202	203-401	402-601	602-779	780-944	945-1145	1146-1326	1327-1506	1507-1671	1672-1841	1842-2014	2015-2146
Volume 7												
Issue:	1	2	3	4	5	6	7	8	9	10	11	12

Morcos, A. 1708
Morden, D. B. 1016
Moreland, J. B. 579
Morency, R. L. 1217
Moretti, G. 1750
Morgan, D. E. 176
Morgan, H. S. 1729
Morgan, I. T. 1921
Morgan, R. C. 2, 1860
Mori, H. 1502
Mori, Y. 102
Moriamez, J. M. 891
Morino, L. 1632
Morita, T. 1498
Morosi, C. 1575
Morozumi, H. M. 1032
Morris, A. J. 548, 1956
Morris, B. L. 467
Morris, N. F. 519, 1231
Morris, W. L. 1674
Morrison, C. J. 2131
Morrison, G. L. 1629
Morrone, A. 71
Mortimer, R. W. 529
Morton, J. B. 1915
Morton, T. M. 81
Moseenkov, B. I. 745
Moseley, P. 2086
Moser, A. P. 1937
Mostaghel, N. 1597
Mote, C. D., Jr. 1942
Motoyama, C. 852
Moyer, H. G. 950
Mruthunjaya, T. S. 1935
Muehlbauer, G. 1256
Mukherjee, S. 1191
Mulcahy, T. M. 2039
Müller, P. C. 609, 918
Munaswamy, K. 1613
Munch, C. L. 805, 972
Mungur, P. 238
Munjaj, M. L. 368, 883,
1454, 1643
Munson 52, 1755
Murase, S. 1952
Murayama, T. 1653
Murphy, E. L. 911
Murphy, J. N. 551
Murri, W. J. 1807
Murthy, V. R. 1615
Murty, A.V.K. 520, 1593
Musa, R. S. 147
Mustain, R. W. 580
Muster, D. 2134, 2135

Muthuswamy, V. P. 962
Muto, T. 524
Myers, C. D. 493, 1020
Myers, K. A. 1660
Myerscough, C. J. 2093
Myncke, H. 331

N

Nachtigall, A. J. 82
Nagai, M. 265, 828
Nagarajan, S. 892, 1519, 1776
Nagasawa, Y. 279
Nagaya, K. 318, 532
Nagib, H. M. 241
Nagy, A. 505
Nair, P. S. 887
Nakai, E. 1498
Nakamura, T. 956
Nakamura, Y. 1499
Nakano, Y. 485
Nakayama, G. 390
Nakayama, H. 1010
Nakazawa, H. 390
Nakich, R. B. 873
Nakra, B. C. 481
Namiki, H. 1388
Narayanaswami, R. 533
Narcowich, F. J. 2018
Nash, W. A. 1779
Nashif, A. D. 546
Nasser, M. S. 1566
Nath, G. 849
Natke, H. G. 1864
Natter, M. 1894
Naudascher, E. 2075
Navi, P. 1549
Nayfeh, A. H. 239, 452, 521,
543, 696, 1050, 1175,
1346, 1537, 1784, 1884,
1885, 2110, 2128
Neale, M. R. 2004
Neapolitan, R. E. 1406
Neff, J. R. 684
Neidhöfer, G. 251
Neise, W. 819, 2053
Nelka, J. J. 1340
Nelsen, M. D. 2115
Nelson, D. B. 458
Nelson, F. C. 429
Nelson, P. M. 765
Nelson, R. B. 707, 837, 1549,
1711

Nemat-Nasser, S. 1373, 1687
Neubert, V. H. 459
Neuhofer, R. 1455
Neuvo, Y. 2125
Neuwerth, G. 1789
Newman, J. N. 664
Neylan, A. J. 923
Ng, B. S. 1421
Ng, C. 209
Ng, S. F. 1684
Ni, C. M. 319
Nichols, C. S. 1538
Nickson, T. B. 348
Nieh, L. T. 1942
Niehoff, D. 1163, 1302
Nielsen, L. E. 1908
Niemi, E. E., Jr. 2139
Niese, H. 820
Nigam, N. C. 158, 1615
Nishimura, M. 419
Nissim, E. 1310
Niwa, K. 279
Nixon, D. 556
Noonan, V. S. 595
Nord, A. R. 511
Norin, R. S. 122, 2062
Northcutt, M. J. 2001
Norum, T. D. 2054
Norwood, F. R. 834, 893
Nova, R. 774
Novak, M. 1641
Novak, R. C. 2069
Novoselov, V. S. 1102
Nowacki, W. K. 2078
Nowakiwsky, O. V. 1114
Nowinski, J. L. 1058
Nuckolls, C. E. 1923
Nunes, J. 473
Nunn, D. E. 1744
Nunziato, J. W. 1368, 1384

O

Oblizajek, K. L. 763
O'Brien, J. F. 914
O'Carroll, M. J. 1751
O'Day, J. 1492
Oden, J. T. 1197, 1916
Odom, E. C. 1490
Oette, H. 1829
Ofsevit, D. 1126
Ogawa, K. 1605

Abstract Numbers:	1-202	203-401	402-601	602-779	780-944	945-1145	1146-1326	1327-1506	1507-1671	1672-1841	1842-2014	2015-2146
Volume 7												
Issue:	1	2	3	4	5	6	7	8	9	10	11	12

Ogden, R. W. 1385
 Ogura, K. 1390
 O'Hearne, C. S. 599
 Ohji, K. 1390
 Ohta, M. 419
 Ojalvo, I. U. 2100
 Ojdrovich, G. 1129
 Okamura, K. 667, 668
 Okawa, D. M. 1953
 OKeefe, J. V. 1095, 1452,
 1462, 1959
 Okijima, K. 2138
 Okubo, S. 478
 Okuda, S. 2085
 Olateju, O. T. 1130
 O'Leary, P. M. 474
 Oliver, J. M. 1151
 Ollerhead, J. B. 1869
 Olsen, D. 273
 Olsen, W. 159
 Olson, J. B. 129
 Olunloyo, V. O. S. 1051
 On, F. J. 52, 1755
 O'Neill, J. J. 468
 Ong, J. H. 1579
 Ono, H. 1429
 Ono, K. 1595
 Onyeonwu, R. O. 160
 Oplinger, D. W. 1770
 Oran, E. S. 1676
 Oravsky, V. 113, 480
 Ordway, D. E. 559
 Orlin, P. A. 607
 Ormiston, R. A. 588, 1812, 2024
 O'Rourke, J. 1991
 Ortner, M. 310
 Osborne, A. D. 255
 Osborne, M. R. 2030
 Oshitani, Y. 378
 Osmundsen, E. 741
 Ostergaard, P. B. 1886
 Ota, H. 299
 Otts, J. V. 499
 Ovunc, B. A. 600
 Owen, D. A. 24, 469
 Owen, F. K. 1582

P

Paas, J. E. 1296
 Packard, R. G. 83
 Padakannaya, R. 1458

Paddison, F. C. 1263
 Padmanabhan, M. 2075
 Padovan, J. 1752, 1777
 Padula, S. L. 1964
 Pai, S. L. 2065
 Paidoussis, M. P. 130, 756,
 1834
 Painter, J. A. 148
 Paipetis, S. A. 274
 Pallant, R. J. 635, 821
 Palusamy, S. 884
 Pan, K. C. 1995
 Pandalai, K. A. V. 1616
 Pandit, S. M. 1311, 1312
 Panicker, N. N. 1870
 Panttija, J. T. 951
 Pao, Y. H. 1363
 Pao, Y. -H. 669
 Papa, G. 236
 Papirno, R. 466
 Paraskevopoulos, P. N. 10
 Pardoen, G. C. 534
 Parin, M. L. 1903
 Park, K. C. 1679
 Parker, A. G. 347
 Parker, B. A. 70
 Parker, B. S. 1770
 Parker, L. W. 411
 Parker, R. 779
 Parker, R. P. 459
 Parker, T. E. 1391
 Parkins, D. W. 927
 Parter, S. V. 1749
 Parthasarathy, S. P. 157
 Pasha, M. L. 848
 Pass, J. E. 1080
 Passerello, C. E. 1816
 Pasternack, S. 17
 Patil, P. G. 1943
 Patrick, L. M. 1378
 Patrick, W. L. 884
 Pattabiraman, J. 106, 1758
 Patterson, W. N. 1070, 1089
 Paulon, J. 1650
 Pauly, S. E. 100
 Paxson, R. P. 1356
 Paynter, G. C. 710
 Payton, R. G. 1002
 Paz, M. 589
 Pearson, J. 498, 726
 Pearson, R. G. 914
 Pearsons, K. R. 806
 Pecknold, D. A. 303, 561
 Pegg, R. J. 172, 907, 1083, 1494

Pekeris, C. L. 988
 Pell, P. S. 80
 Pendleton, L. R. 460
 Peng, Y. -K. M. 1161
 Penttinen, A. 859
 Penzien, J. 165, 400, 1978
 Perakatte, G. J. 320, 1440
 Perdreauxville, F. J. 598
 Perkins, J. 841
 Perlmutter, M. 2097
 Perrin, R. 1709
 Perry, J. L. 475
 Perry, R. B. 41
 Personius, G. M. 161
 Pertsev, A. K. 706
 Pestel, H. C. 1871
 Pestorius, F. M. 989
 Peterling, H. 1929
 Peters, D. A. 1812
 Peters, R. J. 186
 Petersen, R. A. 2119
 Peterson, A. M. 2055
 Peterson, A. P. G. 1525
 Peterson, B. 453
 Petrov, Yu. V. 503
 Philippe, J. J. 1097
 Phillips, I. G. 1504
 Pian, T. H. H. 137
 Piau, M. 2073
 Pickard, J. 1319
 Pickett, S. F. 1030
 Pierce, A. D. 448
 Pierson, B. L. 1607
 Pigot, R. 120
 Pike, R. A. 2069
 Pilkey, W. D. 295, 1288
 Pilsworth, M. N., Jr. 1001
 Pinkel, B. 1800
 Pirsol, A. G. 27
 Piskorek, A. 1576
 Pister, K. S. 19, 430
 Piziali, R. A. 1278
 Pizzirusso, J. F. 549
 Plaetschke, E. 606
 Platanov, E. G. 706
 Plenge, G. 1887
 Plett, E. G. 557, 1145, 1801
 Plumblee, H. E. Jr., . 238, 1270
 Plunkett, R. 797
 Plzak, G. A. 1350
 Pneuli, D. 412
 Podgorski, W. A. 1827
 Podowski, M. 602, 963
 Pohlen, J. C. 596, 939

Abstract Numbers:	1-202	203-401	402-601	602-779	780-944	945-1145	1146-1326	1327-1506	1507-1671	1672-1841	1842-2014	2015-2146
Volume 7												
Issue:	1	2	3	4	5	6	7	8	9	10	11	12

Polak, E. 407
 Polizzotto, C. 1334
 Pollock, S. J. 725
 Pombo, J. L. 690
 Ponamgi, S. R. 1214
 Pond, J. W. 1633
 Ponter, A. R. S. 2013
 Ponzo, P. J. 3
 Pope, L. D. 535
 Popelar, C. H. 317
 Popov, E. P. 686, 892, 1192,
 1519, 1776
 Popp, K. 655, 918
 Porter, B. 218
 Porter, D. R. 1707
 Poskitt, T. J. 1645
 Potter, J. L. 1896
 Potter, J. M. 1328, 1392
 Potter, R. 601, 1584
 Powell, C. A. 1115
 Powell, G. H. 42, 126
 Power, J. K. 558
 Powers, D. R. 500
 Prasad, M. G. 106, 1758
 Prasad, R. 1567
 Prasthofer, P. H. 458
 Prause, R. H. 1124, 1125,
 1871
 Prelewicz, D. A. 170
 Premont, E. J. 114
 Prescott, S. N. 461, 597
 Preston, F. L. 384
 Priadka, N. 1966
 Price, G. H. 1719
 Price, G. R. 177
 Price, R. S. 1428
 Price, S. J. 1137
 Prichard, M. S. 328
 Priddle, E. K. 1745
 Prosperetti, A. 491, 1568
 Pryce, D. C. 779
 Przemieniecki, J. S. 794
 Pulcher, E. T. 1084
 Putnam, T. W. 1461
 Pyatunin, B. S. 641

Q

Quick, L. H. 909
 Quinn, R. W. 753, 2120
 Quiring, J. N. 565
 Quziaux, R. 1261

R

Raabe, R. C. 930
 Rabe, D. C. 1720
 Racca, R. H. 877
 Radecki, K. 330
 Radhakrishnan, R. 1321
 Radt, H. S. 1398
 Radwan, H. 1059
 Radzikowska, E. 2106
 Rafalski, P. 1858
 Rafay, T. 125
 Raftopoulos, D. D. 434
 Ragulskis, K. M. 1118
 Raiskii, D. A. 179
 Rajaiah, K. 204
 Rajamani, A. 2107
 Raju, B. B. 1771
 Raju, I. S. 611
 Ramachadran, J. 536, 537, 1243
 Ramachandran, S. V. 1950
 Ramakrishnan, R. 352, 1494
 Ramamurti, V. 1244
 Ramani, N. 4
 Ramberg, S. E. 662, 868, 1924
 Ramm, E. 1516
 Ramsey, V. W. 2055
 Rand, R. H. 799, 1827
 Rangacharyulu, M. A. V. 919,
 920, 955
 Ranieri, J. 570
 Rao, A. R. 1555
 Rao, B. K. N. 1473
 Rao, B. M. 173
 Rao, B. P. 894
 Rao, B. S. R. 1042
 Rao, B. V. A. 106, 1758
 Rao, C. K. 1423
 Rao, C. L. A. 541
 Rao, C. V. R. 1830
 Rao, D. K. 1041
 Rao, D. L. P. 368, 883
 Rao, G. V. 611, 894
 Rao, J. S. 1041
 Rao, K. V. A. 1423
 Rao, N. S. V. K. 1041
 Rao, S. S. 1313
 Rasch, W. 383
 Rasmussen, M. L. 1844
 Rath, A. K. 321
 Rath, B. K. 705
 Ratz, A. G. 123, 2098
 Rausch, P. J. 1900

Rauthmann, A. 1128
 Rawtani, S. 301
 Ray, D. 430, 1142
 Ray, J. D. 504
 Reagan, J. A. 901
 Reboux, J. 1650
 Reddi, M. M. 231
 Reddingius, N. H. 980
 Reddy, D. V. 1248
 Reed, J. W. 53
 Reese, L. C. 1810
 Rehfield, L. W. 76, 1003
 Rehm, R. G. 722, 1398
 Reimer, R. B. 55
 Reiners, S. J. 1873, 1874
 Reiter, W. F. 766
 Remington, P. J. 921
 Reshotko, M. 910
 Rettinger, M. 716
 Reuter, R. C., Jr. 1245
 Revell, J. D. 1620
 Reynolds, D. J. 1138
 Rhodes, I. B. 1047
 Ribner, H. S. 861
 Rice, C. G. 638, 1115
 Rice, E. J. 1361
 Richard, K. 293
 Richards, D. M. 1168
 Richards, F. D. 1353
 Richards, P. G. 1981
 Richards, R. L. 1024
 Richardson, M. 601, 2020
 Richey, E. P. 1016
 Richter, W. J. 413
 Rickley, E. G. 448
 Rickley, E. J. 753, 2120
 Ridland, D. McK. 115
 Riley, N. 1604
 Rinkinen, W. J. 1081
 Ritchie, I. G. 522
 Rivir, R. B. 1720
 Robbins, D. H. 43, 1176, 1279
 Robbins, K. 1557
 Robert, K. 862
 Roberts, F. A. 84
 Roberts, J. B. 214, 610
 Robertson, J. M. 86
 Robertson, S. R. 133
 Robins, D. H. 105
 Robinson, A. R. 1196
 Robinson, F. 569
 Robinson, I. S. 1025
 Robinson, J. L. 89
 Robinson, R. M. 1397

Abstract Numbers:	1-202	203-401	402-601	602-779	780-944	945-1145	1146-1326	1327-1506	1507-1671	1672-1841	1842-2014	2015-2146
Volume 7												
Issue:	1	2	3	4	5	6	7	8	9	10	11	12

Rodinionov, V. N. 1895
 Roeck, G. D. 1813
 Roepcke, F. A. 348
 Roeschlein, E. R. 2001
 Rogers, R. A. 162
 Romanelli, E. 308, 890
 Roorda, J. 1194
 Rosato, F. J. 1918
 Rose, C. D. 585
 Rose, D. J. 2021
 Rose, J. L. 529
 Rosen, A. 1060, 2108
 Rosenbaum, R. 1173
 Rosenfeld, G. 1925
 Rosinger, H. E. 522
 Ross, C. A. 1899
 Ross, C. T. F. 2109
 Ross, H. E., Jr. 2137
 Rostamian, R. 563
 Rostovtsev, D. M. 297
 Roth, B. 1342
 Rothwell, A. 1168
 Rountree, R. C. 414
 Roy, I. J. 1527
 Rozycki, A. 1865
 Rubins, P. M. 1824
 Rudd, M. J. 1085
 Rudiuk, A. 908
 Rues, D. 776
 Ruhlín, C. L. 1139
 Rulf, B. 1237
 Rullier, J. C. 1466
 Rumerman, M. L. 1246
 Rumyantsev, G. I. 364, 742
 Ruó, S. Y. 1355
 Rupert, H. M. 901
 Ruschak, J. T. 1484
 Rushwald, I. B. 861
 Russell, D. A. 1414
 Russell, H. C. 380, 1990
 Russell, J. B. 827
 Russell, R. D. 960
 Russell, R. E. 2033
 Russell, R. H. 514
 Russkikh, V. V. 742
 Rutenberg, A. 2014
 Ruzanov, Ay. I. 704
 Rykov, G. V. 1144
 Rylander, R. 574
 Ryll-Nardzewski, J. 1741
 Ryman, R. J. 258
 Rysin, Yu. S. 1965
 Rysinski, B. 1865, 2081

S

Sabodash, P. F. 1905
 Sachs, G. 2121, 2122
 Sachs, H. K. 1337
 Sackman, J. L. 351
 Sadek, M. M. 1289
 Sadler, J. P. 185J
 Safeer, H. B. 1621
 Safford, F. B. 830, 1149
 Sagartz, M. J. 1405
 Sagoo, M. S. 1536
 Said, S. M. 576
 Saidov, T. K. H. 1602
 Saito, H. 318, 532
 Sakell, K. 1625
 Sakhabutdinov, Zh. M. 702
 Salerno, C. M. 545
 Salvidge, A. C. 1304
 Salyer, R. A. 97, 2099
 Samras, R. K. 1926
 Sandford, J. 1596
 Sandford, M. C. 1139
 Sandman, B. E. 1944
 Sandor, B. I. 485
 Sankar, T. S. 391, 424, 746
 Sankaran, S. 1951
 Sansome, D. H. 277
 Saphir, G. 1790
 Saravanos, B. 298
 Sargent, J. W. 1304
 Sargent, N. B. 144
 Sarma, P. K. 1423
 Sarma, P. V. B. A. S. 1042
 Sarohia, V. 1261
 Sarpkaya, T. 665, 1399
 Satchell, R. H. 462
 Sathyamoorthy, M. 1616
 Sato, K. 1065
 Sattar, S. A. 1659
 Saule, A. V. 1297
 Saunders, D. J. 175
 Sawczuk, A. 200
 Sawyer, J. W. 1053
 Scavuzzo, R. J. 434
 Schaefer, H. 1491
 Schafer, B. L. 201
 Schalit, L. A. 1762
 Schaller, R. J. 2096
 Scharf, L. L. 1507
 Scharpf, D. W. 1305
 Scharton, T. D. 631

Schechter, B. 281
 Schedin, R. W. 345
 Scheiman, J. 1463
 Schettino, J. 221
 Scheuerman, H. 1303
 Schieber, P. 1113
 Schiehlen, W. 747
 Schindler, M. 1455
 Schippers, P. 1465
 Schlengermann, U. 240
 Schloemer, H. H. 855
 Schlottmann, F. 1195
 Schmerr, L. W., Jr. 1554
 Schmid, I. 383
 Schmidt, W. E. 2056
 Schneider, A. J. 1756
 Schneider, K. R. 603
 Schoenberg, M. 640
 Scholes, W. E. 1304
 Scholl, R. E. 731
 Schollmeyer, W. 1455
 Schomer, P. D. 637, 646
 Schönfeld, A. 1116, 1984
 Schrader, C. G. 501
 Schrader, P. H. 589
 Schrecker, G. O. 349
 Schubert, D. W. 307, 877
 Schuëller, G. I. 377
 Schuld, E. P. 909
 Schultz-Grunow, F. 1369
 Schultz, S. 1376
 Schulze, H.-K. 606
 Schutz, K. H. 1929
 Schwartz, H. W. 1826
 Schwartz, I. R. 1086
 Schwartz, J. M. 807
 Sciarra, J. J. 431, 1859
 Sciacicco, L. 11
 Scofield, D. F. 1686
 Scott, C. E., III 438
 Scott, R. A. 1437
 Scott, R. E. 1492
 Scott, W. N. 2042
 Sears, W. R. 1347
 Sechler, E. E. 1610
 Seebass, A. R. 350, 976
 Seebass, R. 264
 Seebold, J. G. 1451
 Seed, H. B. 1178, 1183
 Seeley, G. R. 296
 Segal, D. J. 761
 Segal, E. 1210, 1211
 Sehrndt, G. A. 337

Abstract Numbers:	1-202	203-401	402-601	602-779	780-944	945-1145	1146-1326	1327-1506	1507-1671	1672-1841	1842-2014	2015-2146
Volume 7												
Issue:	1	2	3	4	5	6	7	8	9	10	11	12

Seika, M.	1556	Shiner, A.	1067	Sliter, G. E.	1216
Sekyra, C. A.	2057	Shinmura, S.	378	Slusser, R. A.	1586
Sellner, J. A.	1601	Shinozuka, M.	1272	Small, J. C.	2027
Semrau, W. R.	1802	Shipley, J. W.	599	Smallwood, D. O.	284, 285, 511, 2067
Sengupta, S.	1107	Shipov, R. A.	302	Smart, D. R.	1503
Sennheiser, J.	1888	Shipway, G. D.	495	Smith, C. C.	1187, 1188
Sepcenko, V.	527	Shirai, K.	2085	Smith, C. M.	1791
Sereno, T. J.	292	Shiraishi, N.	190	Smith, D. A., Jr.	1140
Seretsky, J.	840	Shivashankara, B. N.	1715	Smith, D. E.	1817
Serth, R. W.	1681	Shneyder, Yu. G.	117	Smith, D. L.	496, 517, 1356
Seto, W. W.	627, 1529	Shoeberg, R. S.	1408	Smith, D. M.	1045
Sewall, J. L.	90	Shoemaker, N. E.	361	Smith, E. B.	332
Seybert, A. F.	1362	Shore, H. B.	1206	Smith, E. G.	1678
Shafey, N. A.	838	Shortridge, R. M.	384	Smith, F. M.	328
Shaffer, J.	380	Shrader, J. T.	1966	Smith, L. G.	1348
Shah, A. H.	1945	Shuler, V. K.	1428	Smith, L. W.	1099
Shahin, R. M.	538	Shumely, M.	1612	Smith, S.	81
Shahinpoor, M.	528, 1946	Shvarov, I. K.	508	Smith, S. H.	1570
Shampine, L. F.	960	Shvets, O. I.	1099	Smith, T. J. B.	1617
Shamroth, S. J.	1098	Shyprykevich, P.	1315	Smits, T. I.	413
Shankara, T. S.	106	Siegmán, W. L.	1510	Smyslov, V. I.	1634
Shanker, M. U.	1021	Sierakowski, R. L.	476, 1899	Snackenburg, S. J.	1813
Shannon, J. H.	148	Sierpiński, K.	1576	Snell, R. F.	515
Shapiro, W.	2002	Sikarskie, D. L.	1422	Snodgrass, D. E.	356
Shapley, C. G.	2007	Sikova, O.	113	Snodgrass, J. J.	565
Sharma, R. K.	1229	Silverthorn, L.	695, 736	Snow, D. J.	874
Sharma, R. S.	1441	Silverwood, H. A.	1374	Snowdon, J. C.	540, 1225, 1949
Sharon, T. M.	657	Simkova, O.	480	Snyder, R. E.	436, 939
Sharp, W. N., Jr.	578	Simmons, R. A.	432	Sobayo, O. A.	734
Shaw, E. A. G.	814	Simpson, W. A., Jr.	954	Sockel, H.	654
Shaw, L. L.	496	Singer, J.	1060, 1948	Sofrin, T. G.	1484
Shaw, L. M.	1131	Singh, A. K.	924	Solak, J.	1074
Shaw, R. P.	8, 54, 1152, 1403	Singh, M. C.	943	Solberg, R. F., Jr.	523
Shayko, L. K.	885	Singh, M. H.	368	Solecki, R.	1022
Shchupletsov, Yu. P.	641	Singh, P. N.	544, 2112	Soliman, J. I.	415
Sheinman, I.	1927	Singh, S.	286	Solomon, R. E.	1622
Shen, C.-C.	1266	Singha, P. K.	321	Sonneborn, W. G. O.	2140
Shen, C. H.	454	Singhal, K.	1153	Soni, S. R.	541, 895, 1247
Shen, M. C.	1569	Singhal, V. K.	266	Soom, A.	280
Shepard, G. D.	116	Sinha, A. K.	1680	Sørensen, S.	574
Shepherd, R. A.	385	Sinnamon, J. F.	435	Soroka, W. W.	793
Sherman, F. W.	578	Sinnet, G. T.	1306	Sorsche, J. H.	804
Sherratt, F.	981	Sircar, R.	322	Southworth, P. J.	2102
Sheth, N. J.	854	Siskind, D. E.	356, 565	Sovrano, R.	1650
Shewchuk, J.	84	Sisson, T. R.	1656	Sowers, H. D.	332
Shiau, J. C.	1241	Skews, B. W.	1706	Sozen, M. A.	303, 940
Shibata, H.	581	Skidan, O.	539	Spagnolo, R.	18
Shibuya, T.	1947	Skillman, M. R.	1853	Sparrow, R. W.	754
Shieh, R.-C.	1763	Skingle, C. W.	6	Speiser, J. M.	1757
Shih, C. C.	103	Skop, R. A.	1926	Spreuer, K. R.	1813
Shih, S.-M.	267	Skreiner, K. M.	1697	Springer, G. S.	454
Shih, T.-S.	2066	Slemrod, M.	9	Sridhar, S.	543, 2110, 2128
Shimogo, T.	1982	Slepetz, J. M.	1770	Srinivasan, A. V.	769, 1930
Shimpi, R. P.	520	Slepov, B. I.	706		

Abstract Numbers:	1-202	203-401	402-601	602-779	780-944	945-1145	1146-1326	1327-1506	1507-1671	1672-1841	1842-2014	2015-2146
Volume 7												
Issue:	1	2	3	4	5	6	7	8	9	10	11	12

Srinivasan, P. 205, 391, 425,
919, 920
Srinivasan, R. S. 1613, 1950
1951
Srirangarajan, H. R. ... 205, 425
Srivastav, R. P. 77
Srivastava, B. N. 966
Srivastava, N. S. 1668
Srivastava, R. M. 1444
Stagg, A. M. 1100
Stahle, C. V. 1666
Stain, V. M. 1144
Stainback, P. C. 1582
Stakolich, E. G. 1482, 1825
Stangenberg, F. 757, 759
Stanišić, M. M. 647
Stankiewicz, A. 717
Stanski, U. 839
Stargardter, H. 1046
Stark, V. J. E. 1976
Starr, P. J. 1430
Stauffer, M. K. 2048
Stavnitser, L. R. 1572
Stavsky, Y. 1210, 1211
Stearman, R. 770
Stearman, R. O. 1661
Steele, R. S. 101, 676
Stefan, H. 296
Stefanides, E. J. 550, 1552
Stein, M. 392, 816
Steinbach, J. 1470
Steitle, D. C. 1628
Stentz, R. H. 78
Stepanov, I. P. 1967
Stephens, B. L. 2099
Stephens, D. G. 471, 648
Stephens, H. G. 694
Stephens, M. V. 688
Stephens, R. W. B. 801, 823
Stephens, W. B. 896
Sternfeld, H., Jr. 738
Stetson, K. A. 1866
Stevens, T. J. 201
Stevenson, T. N. 510
Steward, W. L. 33
Stewart, J. S. 1087
Stewartson, K. 1017
StHilaire, A. O. 1143
Stiffler, A. K. 1045
Stiles, G. F. 748
Stitt, L. E. 902
Stolberg, A. L. 1691
Stoltz, L. 65
Stone, J. R. 333, 1464, 1803

Storey, W. C. 2057
Strahle, W. C. 1715
Streckenbach, J. M. 2033
Strelkov, S. P. 1634
Strom, B. T. 1591
Ström, S. 453
Strong, R. A. 1109
Stuart, A. D. 1242
Stubenrauch, K. R. 114
Subramanian, T. L. ... 1311, 1312
Suciu, E. O. 1632
Suganuma, A. 1429
Suggs, C. W. 26
Sugiyama, Y. 1234
Sullivan, B. M. 636
Sullivan, B. R. 1638
Sullivan, S. F. 1209
Sultanov, D. D. 1895
Summerfield, M. 557, 1145,
1801
Summers, C. R. 551
Sun, C. -L. 1357
Sun, C. T. 323, 476, 477, 838,
1240, 1375
Sun, P. W. 323
Sundararajan, C. 544, 1248
Sundararajan, V. 2107
Sundararamaiah, V. 611
Sundstroem, A. 1748
Suryanarayan, S. 1593
Susemihi, E. A. 690, 931
Sussan, N. R. 753, 2120
Sussman, E. D. 1126
Sutherland, H. J. 69, 1577
Sutherland, I. A. 367
Sutherland, L. C. ... 289, 290, 1786
Sutton, L. R. 1831
Suzuki, Y. 933
Sve, C. 478
Svetlitskii, V. A. 2094
Swallow, J. C. 1317
Swamidas, A. S. J. 1609
Swamy, K. N. 1932
Swatta, M. 1302
Swetnam, G. F. 386
Swik, R. 1335
Swinbanks, M. A. 2058
Swine, J. W. 1215
Symonds, P. S. 1322
Szoke, B. 118

T

Tahiani, C. 1778
Tai, G. R. C. 8, 54
Tai, I. H. 1779
Tait, J. N. 1742
Takagi, K. 420
Takagi, S. 1061
Takano, T. 1848
Takemiya, H. 1979
Takemura, T. 2009
Takeno, M. 1271
Takezono, S. 1952
Takizawa, H. 1863
Talbot, R. J. 794
Talmadge, R. D. 1356
Tam, C. K. W. 1101
Tambovtseva, A. M. 364
Tamekuni, M. 1000
Tamura, Y. S. 1442
Tan, P. 559
Tanaka, H. 1689
Tanaka, K. 852
Tanaka, T. 1010
Tanaka, Y. 358
Tan-Atichat, J. 241
Tanna, H. K. 2059
Tanner, C. S. 163, 343
Tapley, B. D. 1660
Tarr, T. J. 1932
Tarr, W. R. 1826
Tarriere, C. 1466
Tarushkin, V. T. 1102
Tarzanin, F., Jr. 359, 570
Tate, R. B. 2032
Tatge, R. B. 1514
Tatsumi, T. 666
Taya, T. 1386
Taylor, D. L. 1150
Taylor, R. B. 2089
Taylor, R. M. 1872, 2031
Teare, P. A. 2089
Tebbs, J. D. 230
Tedrick, R. N. 1077, 1786
Tee, G. J. 613
Teleb-Agha, G. 1468
Telionis, D. P. 1050, 1175,
1347
Telschow, J. 1657
Temkin, S. 482
Templeton, I. M. 1179
Tene, Y. 1927
Teng, Y. C. 1539

Abstract Numbers:	I-202	203-401	402-601	602-779	780-944	945-1145	1146-1326	1327-1506	1507-1671	1672-1841	1842-2014	2015-2146
Volume 7												
Issue:	1	2	3	4	5	6	7	8	9	10	11	12

Tennison, M. A. 1901
 Teplitzky, A. M. 552
 Tessarzlik, J. M. 1198, 2072
 Test, L. D. 1697
 Teubner, V. 822
 Thakker, A. B. 1725
 Thaller, R. E. 498, 726
 Thanedar, B. D. 1160
 Thau, S. A. 562, 563
 Themak, H. A. 1340
 Theocaris, P. S. 274
 Thien, G. E. 338
 Thiery, J. 1906
 Thiruvengadam, S. 1808
 Thomann, H. 1565, 2079
 Thomas, C. R. 786, 1043
 Thomas, E. V. 1276
 Thomas, J. 2095
 Thomas, L. M. 1474
 Thomas, N. H. 510
 Thomas, R. E. 1762
 Thompson, D. O. 1901
 Thompson, G. A. 1106
 Thompson, M. P. 1088
 Thompson, R. 628
 Thompson, R. B. 1901
 Thompson, S. M. 1018
 Thomson, A. G. R. 259
 Thorn, R. P. 1644
 Thornton, J. B. 2008
 Thornton, W. A. 1341
 Thrasher, D. B. 865
 Thurman, G. R. 932
 Tiersten, H. F. 256
 Tietze, J. L. 1843
 Tiggehaar, J. J. 1103
 Tijdeman, H. 393, 1465, 1540
 Ting, E. C. 922, 947
 Ting, T. C. T. 1743
 Tirumalesa, D. 560
 Tokar, J. 30
 Token, K. H. 1722
 Tokunaga, H. 666
 Tolstykh, A. I. 1849
 Topliss, W. 2131
 Topper, T. H. 1008
 Tordion, G. 697
 Tournemine, G. 235
 Townsend, M. A. 1286
 Trad, A. 426
 Tree, D. J. 1635
 Treinies, N. 1845
 Tremblay, R. T. 1770
 Trenka, A. R. 1278
 Trifunac, M. D. 642

Troutt, T. R. 1629
 Trubert, M. 396
 Trummel, M. 939
 Trushechkin, N. P. 508
 Trybula, W. J. 739
 Trygg, B. 1426
 Tsai, H. -C. 231
 Tsai, M. -S. 239, 696
 Tsai, N. C. 1172, 1302
 Tsai, N. T. 1606
 Tseng, W. -S. 165, 1978
 Tso, F. K. W. 707
 Tso, W. K. 408, 1671
 Tsui, C. Y. 199
 Tsuzuki, Y. 1429
 Tuan, H. -S. 1214
 Tuck, W. M., Jr. 98
 Tucker, A. J. 775
 Tucker, L. 1393, 1394
 Tunbridge, B. J. 823
 Tundermann, J. H. 1447
 Tung, C. C. 492, 850
 Tuomi, R. L. 1506, 1980
 Turkstra, C. 1804
 Turner, J. S. 1018
 Turner, L. 1268
 Tuschak, P. A. 1224
 Tustin, W. 973, 1547, 1701
 Tuter, O. 665, 1203
 Tuttle, R. J. 830
 Twisdale, L. A. 1509
 Tyunin, N. N. 1104
 Tzafestas, S. G. 10

U

Udaka, T. 1178
 Ueberall, H. 49
 Ueda, I. 168
 Ulery, H. H., Jr. 1654
 Ulitchny, M. G. 999
 Ullrich, S. 767
 Umek, A. 562, 563
 Underwood, P. G. 441
 Ungar, A. 952
 Ungar, E. E. 564, 1089, 1090
 Unruh, J. F. 70, 228
 Urlick, R. J. 223
 Ursell, F. 1400
 Ury, J. F. 1485
 Ushakov, M. V. 1104
 Usher, T., Jr. 283
 Usmani, R. A. 1061

Uspenskii, A. N. 1967
 Ustick, D. D. 645
 Uteshev, S. A. 699
 Uvarov, S. N. 1967

V

Vaicaitis, R. 1272
 Vaidya, P. G. 1143
 Van Atta, F. A. 224
 Vance, J. M. 614, 698
 Vandendriessche, G. 718
 Vanderbilt, M. D. 1840
 Van Hoof, R. W. 395
 Vanmarcke, E. H. 1523
 Varadan, T. K. 1616
 Varholak, E. M. 65
 Varley, E. 67
 Varney, R. J. 166
 Vasilev, Yu. N. 995
 Vasilyeva, R. V. 2040
 Vedernikov, G. V. 1891
 Veldman, H. F. 1685
 Veletsos, A. S. 732
 Vendhan, C. P. 1614
 Venkataramana, J. 894
 Venkatesan, C. 1768
 Ventre, P. 1466
 Ventres, C. S. 189, 191
 Vernet, J. F. 824
 Vey, E. 1470
 Vezzetti, C. F. 1031
 Viano, D. C. 542
 Vijayakumar, K. 324
 Vinson, J. R. 1721, 1730
 Virtanen, S. 1500
 Visser, C. 2096
 Viswanathan, A. V. 1000
 Vito, R. P. 791
 Vlach, J. 1153
 Vogel, T. N. 441
 Voigt, R. 1474
 Voitech, L. N. 1736
 Von Glahn, U. 910, 1091, 1970, 2113
 Von Hoerner, S. 59
 Vonpragenau, G. L. 1921
 Voss, A. R. 917
 Vrabel, J. D. 1126
 Vrba, J. 1117
 Vroulis, G. 274
 Vrzal, P. D. 1352

Abstract Numbers:	1-202	203-401	402-601	602-779	780-944	945-1145	1146-1326	1327-1506	1507-1671	1672-1841	1842-2014	2015-2146
Volume 7												
Issue:	1	2	3	4	5	6	7	8	9	10	11	12

W

Wada, A.	1493
Wada, B. K.	20, 594, 773, 939, 1838
Wagner, J. M.	145
Wagner, R.	869, 898
Wagner, R. A.	571
Wagner, R. D.	1582
Wagner, W.	30
Wahab, R.	2144
Wahlbin, L.	1401
Walden, H.	7
Walenta, Z. A.	644
Walker, D. Q.	710
Walker, H. S.	787
Walker, K. W.	1889
Walker, R. E.	397
Walker, R. S.	966
Walker, W. H.	1271
Wall, I. B.	964
Wallace, B.	1408
Waller, H.	953
Waller, R. A.	1284
Walsh, E. K.	1368
Wambsganss, M. W.	1928
Wang, B. P.	1288
Wang, S. K.	178
Wang, S. S. M.	1606
Wang, T. Y.	1192
Wang, Y. S.	1057
Ward, E. D.	803
Ward, M. A.	1669
Ward, R. C.	2019
Warren, W. E.	1063
Washio, S.	667, 668
Wasserman, S.	577
Wasson, N. F.	1177
Waszink, R. P.	12
Watanabe, T.	525, 1689
Waterman, P. C.	1541
Waters, C.	1977
Watkins, L. H.	1792
Watkins, R. K.	1937
Watson, E. E.	680
Watson, K. M.	268
Watwood, V. B.	310
Wauer, J.	691
Wax, N.	3
Way, J. L.	241
Weand, A. E., Jr.	1811, 1828
Webman, K. M.	1027
Weelford, L. C., Jr.	1197

Wehr, S. E.	733
Weinberg, N. L.	1510
Weise, K.	1259
Weissing, H.	1759
Weissler, P. G.	649
Weissmann, G. F.	1445
Weitsman, Y.	92
Weitzenhof, D. A.	328
Welch, R. C.	1810
Welch, R. E.	1129
Wells, C. H.	1867
Welsch, D.	497
Wendtland, D.	1931
Werchniak, W.	842
Werle, M. J.	996
Werner, H.	583
Wertz, G.	180
Wert, F. H.	1064
Wesler, J. E.	62, 63, 1456
Wesolowski, Z.	257
West, B. J.	268
Westall, J. S.	1291, 1292, 1325
Westfall, J. A.	1699
Wetherill, E. A.	339
Wettschureck, R.	1887
Whallon, H. D.	1793
Whan, G. A.	243
Whatmore, A. R.	1675
Wheen, R. J.	1764
White, F. G.	1762
White, G. N.	2077
White, J. A.	934, 1814
White, R. G.	1573
Whitehouse, H. J.	1757
Whiteley, J. W.	1180
Whitman, R. V.	1523
Whitney, J. M.	247
Wicher, J.	1865
Widera, O. E.	1649
Wiederrich, J. L.	1342
Wiederuh, E.	1931
Wiehle, C. K.	1469
Wielgus, A.	590
Wiley, G. H.	1656
Wilhelm, K.	1972
Wilkens, H.	1887
Wilkins, L. O.	1281
Willertz, L. E.	658, 1909
Willett, K. P.	624
William, F. W.	708
Williams, K. C.	455
Williams, R.	866
Willingham, F. L.	386
Willis, J. R.	134, 311

Willsky, A. S.	1716
Wilson, A. J.	1764
Wilson, E. L.	1516
Wilson, P. B.	1695
Wilson, T. A.	638
Winblade, R. L.	1699
Wineman, D. A.	90
Wing, A. B.	739
Wingenbach, W. J.	586
Winn, S.	587
Wintermeyer, C. F.	710
Witmer, E. A.	138, 326, 1780
Witte, A. F.	285, 681, 682
Wittig, L. E.	1299
Wittmann, F.	777
Wittmeyer, H.	1323
Wlodarczyk, E.	457
Wnuk, M. P.	85
Wohl, B.	162
Wohle, W.	1692
Wolf, R. J.	681, 682
Wolfe, M. J.	178
Womack, B. F.	966
Womack, W. C.	598
Wong, H. L.	642
Wong, H. W.	197
Wong, J. S. W.	409
Wong, K. S.	746
Wonnacott, E. J.	615
Wood, B. R.	1119
Wood, D. J.	845
Woodward, R. P.	1825
Wooten, R. D.	2083, 2084
Wormley, D. N.	1187, 1188
Wright, H. A.	509
Wright, J.	1530
Wu, J. J.	795, 1515
Wu, S. M.	1311, 1312
Wu, W.-H.	1780
Wylie, E. B.	1324

X

Xistris, G. D.	593
---------------------	-----

Y

Yadov, D.	158
Yakushev, N. Z.	325
Yakuwa, K.	2085

Abstract Numbers:	1-202	203-401	402-601	602-779	780-944	945-1145	1146-1326	1327-1506	1507-1671	1672-1841	1842-2014	2015-2146
Volume 7												
Issue:	1	2	3	4	5	6	7	8	9	10	11	12

Yamada, H.....	1409	Zerna, W.	759
Yamada, Y.....	1979	Zhuravlev, M. I.	179
Yamaguchi, S.....	419	Zimmerman, M. D.	826
Yamamoto, T.	420, 427, 956	Zischka, K. A.....	1480
Yang, J. C. S.	199, 1553	Ziv, M.....	897
Yang, J. N.....	111, 1424	Zoby, E. V.	60
Yang, S. J.	1890	Zorumski, W. E.....	875, 2146
Yao, L. -S.	1054	Zudans, Z.	231, 310
Yasuda, K.	427, 956	Zuk, W.	1868
Yasue, M.	2123	Zukas, J. A.....	1721
Yates, J. E.	2010	Zwaan, R. J.	393
Yates, R.	2057		
Yeakley, L. M.	505		
Yee, B. G. W.	650		
Yeghiayan, R. P.	326		
Yegian, M. K.	355		
Yegnanarayana, B.	639		
Yeh, G. C. K.	758		
Yen, B. T.	1227		
Yen, D. H. Y.....	1052		
Yen, H. H.	442		
Yeow, Y. T.	866		
Yerges, J. F.....	507		
Yerges, J. R.....	1956		
Yerges, L. F.	553, 719		
Yih, C. -S.....	1402		
Yin, S. K.	169, 1339, 1495		
Yokose, K.	771		
Yoshida, A.....	933		
Yoshida, K.....	1982		
Yoshihara, H.....	724		
Yost, W. A.	807		
Young, C. -I. J.	1068		
Young, D. E.	917, 1106		
Young, E. G.	2044		
Young, J. P.....	683		
Young, R.	1303		
Young, R. H.	909		
Young, W. I.....	1933		
Yousri, S. N.	1765		
Yuska, J. A.....	1618		

Z

Zablotskii, I. E.....	302, 1410
Zaev, P. N.	508
Zalosh, R. G.....	411
Zaslavskii, A. G.	302
Zdravkovich, M. M.	2102
Zebib, A.....	269
Zelazny, S. W.....	1631
Zell, K. D.	812

Abstract Numbers:	1-202	203-401	402-601	602-779	780-944	945-1145	1146-1326	1327-1506	1507-1671	1672-1841	1842-2014	2015-2146
Volume 7												
Issue:	1	2	3	4	5	6	7	8	9	10	11	12

ANNUAL SUBJECT INDEX

A

Absorbers (Equipment)
320 1111 2083 2084 1225 286 2089
1965 1446

Absorbers (Materials)
370 1252 1553 334 545 516 107 248 549
1260 714 2115 716 717 1089

Acceleration Waves
2073 1384 1385

Accelerometers
1031 502 503 1707 1409
1211 1817

Acoustic Absorbers use Sound Absorbers

Acoustic Cavitation use Cavity Resonance

Acoustic Dampers use Acoustic Energy Absorbers

Acoustic Damping
72 234 1965 546 658
482
652

Acoustic Design use Architectural Acoustics

Acoustic Detectors
1880 1181 1213 1236

Acoustic Emissions use Stress Waves

Acoustic Energy Absorbers
1015 978 1359

Acoustic Excitation see also Sonic Boom,
Sound Waves
530 41 363 104 128 259
241 288 369
1501 1568
2081

Acoustic Fatigue
1007 259

Acoustic Impedance
1860 1152 1713 1675 1917 728 639
1242

Acoustic Liners see also Chimney Liners,
Ducts, Liners, Noise Reduction
710 1361 1522 1453 874 335 696 239
1580 1713 1784 1685 1526 1049
1720 1079

Acoustic Measurement see also Noise
Measurement
30 631 52 904 595 1356 637 1118
50 1251 982 855 1796 1208
1428
1878

Acoustic Pressures
240 821 1292 313 874 805 496 817 1048 1109
820 1091 853 1714 985 1356 2117 1758 1889
1160 1291 933 2054 1035 1646
1710 1883 1715
1800
1830

Acoustic Propagation use Sound Wave
Propagation

Acoustic Properties
330 1711 152 93 75 216 317 388 339
1260 982 983 145 1026 1067 728 639
1450 1152 1063 245 1156 1617 958 1359
1860 1242 1713 1325 1886 1877 1878 1889
1960 1712 1675 1936 1887
1917

Acoustic Radiation use Sound Waves

Acoustic Resonance
1451 482 443 444 715 638 779
864 1015 1359
1134
1884

Abstract Numbers:	1-202	203-401	402-601	602-779	780-944	945-1145	1146-1326	1327-1506	1507-1671	1672-1841	1842-2014	2015-2146
Volume 7												
Issue:	1	2	3	4	5	6	7	8	9	10	11	12

Acoustic Response

106

Acoustic Scattering see also Wave Diffraction

1710 741 232 453 2055 461717 728
1541 2361847 818
988
1538

Acoustic Signature Analysis

1832

Acoustic Tests

1080 52 193 345 906 1209
3321123 18251296
1122 1586
1462

Acoustic Transmission use Sound Transmission

Acoustic Waves use Sound Waves

Active Dampers

655

Active Isolation

903

1478

Aerodynamic Characteristics use a more specific term:

Aerodynamic Damping

Aerodynamic Excitation

Aerodynamic Noise

Aerodynamic Response

Aerodynamic Damping

70 201117321053 65411951736
2070 2091 11041735
2024

Aerodynamic Excitation

19013211122 393 344 725 296 227 608 779
131016611502 853 564 735 556 777 6381139
1600209116321133 5541315 856109710981309
18121223203411951016113713181499
1833 13551636141714581829
2093 14651796155715581849
2123 1635189617971598
18251976 1698
21351986

Aerodynamic Noise

241 12621123 634 45 346 348 349
1460 14831174 345 986 17981459
15431564 4451096
1526
2056

Aerodynamic Response

40 1911632 6631314 735126611771988 29
1091 1823 1845 1267 149

Aeroelastic Response

190 1832 695 736 11681199
770 2102 1306 1499
1326
1636
2116

Aerofoils use Airfoils

Air Bags (Safety Restraint Systems)

1990 361 584 1478
1111

Air Bearings use Gas Bearings

Airborne Equipment Response use Aircraft Equipment

Air Conditioning Systems

579

Aircraft

40 161 142 831104 45 816 557 1581099
1501071 152 1431114 145 976 817 3481139
1601091107210031264 15510461307 4981699
3401461152212631634 3451626167713081799
350160116821633 1625163619671628
580166117321783 16351726
8601781 1803 1906
11001811 1903
13102121 2123
1600
1620
1910

Aircraft Crashes

1991

Aircraft Ejection Seats use Ejection Seats

Aircraft Engines

1910

Abstract Numbers:	1-202	203-401	402-601	602-779	780-944	945-1145	1146-1326	1327-1506	1507-1671	1672-1841	1842-2014	2015-2146
Volume 7												
Issue:	1	2	3	4	5	6	7	8	9	10	11	12

Aircraft Equipment Response
304

Aircraft Noise see also Flight Vehicle Noise
140 151 142 33 154 555 36 157 148 149
300 221 162 143 574 875 146 677 588 159
330 341 332 163 904 905 156 727 908 279
340 971 342 333 1024 1075 606 907 1108 469
560 1071 572 343 1084 1095 906 987 1258 809
710 1101 672 723 1094 1115 1076 1077 1268 909
720 1181 722 1073 1254 1175 1086 1627 1618 1069
910 1621 902 1093 1464 1975 1256 1877 1798 1099
980 1631 1032 1103 1484 2035 1356 1977 1968 1269
1170 1791 1072 1113 1624 2115 1456 2057 1459
1270 1801 1092 1123 1794 2117 1619
1630 1282 1533 1824 1699
1790 1452 1793 1964 1789
1800 1462 1823 1974 1799
1970 1642 2033 2054 1869
2120 1802 2113 1959
2032 2059
2052 2119

Aircraft Tires use Tires (Aircraft)

Aircraft Vibration
860 1102 726 128 559
1319

Aircraft Wings
2070 1091 1072 1103 1195 1976 1307 1498 1139
1662 1313 1265 1987 1969
1365

Air Cushion Landing Systems
1781 1263
1783

Air Cushion Safety Restraint Systems use
Air Bags (Safety Restraint Systems)

Air Cushion Vehicles use Ground Effect
Machines

Airfields
150 83

Airfoils
1971 721 1262 173 344 1135 556 347 1098 959
2050 663 724 1465 1306 1097 1498
1973 1986 2017 1728
2068

Airframes
340 1742 1814 15 1168 259
1974 155

Algorithms
160 951 1692 203 414 785 996 407 1148 19
440 1341 1822 883 1184 1055 2016 947 1328 989
880 1643 1674 1335 1147 1338 1149
950 1673 1845 1507
1160 1843 2045 1607

Aluminum Foam use Metal Foam

Ambient Noise
1360 1351 1642 223 1268

Amplifiers
95

Amplitude Analysis
1143

Amplitude Data
51 44 385 696 1537 1038
731 544 1745 746
1511 844 1885 1616
2145

Analog Computation use Analog Simulation

Analog Simulation
1 112 283 284 425 2046 1308
391 1213 784 945 2028
1475 2048
2015

Analog Simulation Techniques use
Analog Simulation

Anchors (Ship) use Ship Anchors

Anemometers
1563

Angular Velocity use Rotation, Velocity

Animal Response
861 742 1963 1105 1106
1112 1626

Anisotropic Properties
1390 311 1002 1433 1784 1025 476 247 838 669
1058 1379
1649

Abstract Numbers:	1-202	203-401	402-601	602-779	780-944	945-1145	1146-1326	1327-1506	1507-1671	1672-1841	1842-2014	2015-2146
Volume 7												
Issue:	1	2	3	4	5	6	7	8	9	10	11	12

Anisotropic Supports

1136

Anisotropic Tubes

528

Anisotropy

1741 1752

1777

Annular Disks use Rings

Antennas see also Chimneys, Radio

Telescopes, Towers

1082 523

Anthropomorphic Dummies see also Human

Response, Occupant Simulation

741

1818

Approximate Methods

310 1161 1422 113 1064 75 66 7 138 9

400 1271 1862 1103 1614 425 1226 957 688 109

920 1892 1143 1844 1775 1916 967 998 299

1240 1693 1904 2066 1117 1538 599

1320 2014 1417 1548 709

2064 2027 1738 879

2028 919

2118

Arches

2112 2023

Architectural Acoustics

1260

1886 1067 1878 339

1450

1617 1359

1960

1887 1889

Arteries use Blood Vessels

Articulated Vehicles see also Cargo Vehicles,
Trailers

931

1486

Artillery Effects use Gunfire Effects

Aseismic Design use Seismic Design

Asymptotic Series

1050

2023 1904 235 426 647 2138 1569

2000

745 857

1695 1017

1157

1497

Attitude Control use Control Systems

Autocorrelation Function

2055 1206

Automated Design

1934

1767

Automatic Control use Control Systems

Automobile Accidents use Collision

Research (Automotive)

Automobile Bumpers see also: Energy

Absorption

1491

1374

1446 1447

899

1429

Automobile Noise use Motor Vehicle Noise

Automobiles see also Buses, Motor Vehicles,
Trailers, Trucks

31 812 933 384 385 586 767 928 929

41 1392 1303 584 1415 616 1328 1429

361 1782 1493 1114 856

761 2004 1216

811 1466

1491 1476

1656

1826

Automobile Seats see also Aircraft Seats

383

Automobile Tires use Tires (Automotive)

Automotive Safety use Collision Research
(Automotive)

Automobile Steering Columns

804

Automotive Transmissions

202

1644 525 1076

1425

Autoparametric Response see also

Parametric Response

391

Axial Excitation

1060

1294

1038

Abstract Numbers:	1-202	203-401	402-601	602-779	780-944	945-1145	1146-1326	1327-1506	1507-1671	1672-1841	1842-2014	2015-2146
Volume 7												
Issue:	1	2	3	4	5	6	7	8	9	10	11	12

Axial Force
1754 125 1039
1295

Axisymmetric Bodies use Bodies of Revolution

Axisymmetric Excitation
490 1696 769
1560 1519
2051

Axisymmetric Vibration
1210 312 1224 705 1247
1052 895

Axisymmetric Waves
995 216

Axles
1657 1448

B

Backscatter
1242
1822

Baffles
1082 313 535
1432 775

Balancing Techniques
372 295 118

Ball Bearings
692 1929

Bands use Moving Strips

Barrier Rails use Guardrails

Barriers (Highway) use Guardrails

Barrier Walls (Noise) use Noise Barriers

Bars see also Rods
390 852 474 1236 867 1418
1220 1192 1037
2090

Beam-Columns
115 686

Beam Grids
1611 1549

Beam-Mass Systems use Mass-Beam Systems

Beams (Structural Members) see also Columns (Supports)
110 111 212 113 164 115 786 297 108 109
480 301 522 523 294 1405 1226 757 248 1039
520 401 1042 543 544 1435 1416 1227 298 1229
690 481 1192 783 1424 1645 1377 688 2029
1040 691 1592 1043 1744 1765 1437 758
1250 911 1922 1423 1927 1188
1640 1591 1763 1228
1760 1773 1588
1668

Bearing Response
281 876 117

Bearings use a more specific term:

Ball Bearings
Bush Bearings
Floating-Ring Journal Bearings
Fluid-Film Bearings
Foil Bearings
Friction Bearings
Gas Bearings
Grooved Bearings
Hydrostatic Bearings
Journal Bearings
Roller Bearings
Self-Acting Bearings
Slider Bearings
Spool Bearings
Squeeze-Film Bearings
Tilting Pad Bearings

Bells
1709

Belts (Moving) use Moving Strips

Bending
110 911 1502 533 314 525 1556 1829
1810 783 934 1705 1986
1940

Bending Vibration use Flexural Vibration

Abstract Numbers:	1-202	203-401	402-601	602-779	780-944	945-1145	1146-1326	1327-1506	1507-1671	1672-1841	1842-2014	2015-2146
Volume 7												
Issue:	1	2	3	4	5	6	7	8	9	10	11	12

Bernoulli-Euler Method				Boundary Layer Excitation			
2111	522		1226	1050	1561	1402	2063
				1230	1722		845
Biological Organs use Organs (Biological)				2010		847	488
						1017	1748
							269
							489
							849
Biomechanics				Boundary Layer Transition			
1110	351	1112	364	1105	86	1818	
	1352		1934	1106			
			2124	1466			
Biot Theory				Boundary Value Problems			
	833		2027	950	1401	782	403
	2103			204	745	866	77
				960	1421	1382	1383
				294	1015	996	407
				1480	1681	2022	1843
				834	1055	1146	887
				1520	1851		848
				1544	1515	1406	957
				1750	1861		968
				1554		1746	967
				2021	1774	1846	1438
						1916	1858
						2026	
Blast Excitation use Shock Excitation				Box-Beams			
						164	1645
Blast Resistant Construction				Box Type Structures			
	423					1804	1645
Blast Resistant Design see also				Braking Effects			
Hardened Structures						931	1335
			1469			1781	186
							1476
							1826
Blast Response use Shock Response				Bridges			
Blood Vessels						190	911
			86			352	164
						165	166
						1107	1868
						629	
						630	1231
						1684	1227
						1744	1978
						1804	1979
							1467
Boats use Ships				Bubble Dynamics			
Bodies of Revolution						491	447
	60	892	1776	848			1568
	1952						1559
Bolts				Buckling			
	1551		459			700	211
						1422	1233
						534	1605
						1436	1777
						298	1729
						1000	1061
						1442	2023
						2034	1775
						1616	398
						1060	708
							948
							1168
							1428
							1688
							1708
							1948
Booms (Antenna) use Antennas				Boundary Layer Damping			
Booms (Crane) use Crane Booms						346	1048
Boundary Layer Damping							

Abstract Numbers:	1-202	203-401	402-601	602-779	780-944	945-1145	1146-1326	1327-1506	1507-1671	1672-1841	1842-2014	2015-2146
Volume 7												
Issue:	1	2	3	4	5	6	7	8	9	10	11	12

Buildings
 430 561 562 353 564 1165 716 1637 448 339
 730 731 912 563 734 1805 1887 1468 429
 990 1271 1142 973 1284 2127 1469
 1260 1272 1863 1669
 1450
 1980

Bumpers (Automobile) use
 Automobile Bumpers

Bumpers (Motor Vehicles) use
 Motor Vehicle Bumpers

Buoys
 116 687

Buses see also Automobiles
 386 328

Bushings use Bush Bearings

C

Cables (Ropes)
 870 1231 1212 1923 1194 116 687 868 519
 2091 1762 2093 1764 296 1137 619
 1924 1926 689

Calibrating
 502 503 176 1028 99
 1583 1208 1029

Calibrating Transducers use Transducers

Cams
 1342 1997

Cantilever Beams
 110 212 113 115 786 1377 298
 522 523 1416
 1592 1043
 1922

Cantilever Plates
 2014 476 2068

Caps (Screws)
 211

Cargo Ships
 1663 394 395 178
 1835

Cargo Vehicles see also
 Articulated Vehicles, Ground Vehicles,
 Trucks
 1792 1006 1138 1129
 1988

Cascades
 1650 1841 333 1295 1306 2017 1678 779
 2015 1326 2018 1879

Catenaries see also Strings
 1419

Cavitation
 1440 394 228 1559
 1568

Cavities
 1420 1261 1207
 1371

Cavity Containing Media see also
 Hole-Containing Media, Opening
 Containing Media
 318

Cavity Effect see also Panel-Cavity Response
 496

Ceramics
 840 1211 2096 168 1219
 1210

Channels use Water Channels

Chatter
 180 1311 1312 367 2009
 390

Chebyshev Polynomials
 1247

Chimneys see also Towers
 1321 1194 1787
 1451

Circuit Boards
 820 815 566

Circular Bars
 852

Abstract Numbers:	1-202	203-401	402-601	602-779	780-944	945-1145	1146-1326	1327-1506	1507-1671	1672-1841	1842-2014	2015-2146
Volume 7												
Issue:	1	2	3	4	5	6	7	8	9	10	11	12

Circular Cylinders
1011 1152 843 54 236 468
474

Circular Membranes
1052 308

Circular Plates
1440 1741 1243 534 536 1609
2110

Circular Rings
709

Circular Shells
2103

Circumferential Waves
274

Clamped Plates use Plates (Structural Members)

Clamped Shells use Shells (Structural Forms)

Clamped Structures
540 2112

Clay
1810

Codes use Standards and Codes

Collision Research (Automotive)
380 21 382 43 384 105 586 387 188 929
900 31 1352 583 584 1415 916 997 328 1279
1990 361 1303 2004 1176 1337 928 1489
761 2124 1446 1467 1128
1111 1466 2137 1658
1131 1818
1281

Collocation Method
960 1681 204 887
1247

Columns (Supports) see also
Beams (Structural Members)
212 303 1234 1615 1056 1447 1229
1132 2064 1597
1902

Combat Vehicles use Tanks (Combat Vehicles)

Combustion Noise see also Engine Noise
760 1801 612 1653 2134 1145 2036 557
1802 2133 1715

Commercial Vehicles use Cargo Vehicles

Community Noise use Urban Noise

Compacting
1130 354 1806 787
1807

Component Mode Synthesis 218

Composite Materials
80 651 1372 473 114 65 476 67 478 69
1000 871 1373 474 475 836 137 838 999
1190 1191 1433 794 835 1256 247 998 1219
1370 1731 834 1375 1726 477 1728 1239
1730 1901 1374 1725 2006 837 1898 1549
1900 1944 1727 1908 1649
1897 2068 1729
1899

Composite Structures see also Laminates,
Sandwich Structures
323

Compression Waves
650 891 962 1954 1905 666 1017 2108 1939
1602 2129

Compressor Blades see also Rotor Blades
(Turbomachinery)
1190 301 723
1930 1223

Compressors
1650 1291 547 1088
1957

Computer Graphics
1535 437 439

Abstract Numbers:	1-202	203-401	402-601	602-779	780-944	945-1145	1146-1326	1327-1506	1507-1671	1672-1841	1842-2014	2015-2146
Volume 7												
Issue:	1	2	3	4	5	6	7	8	9	10	11	12

Computer Programs

40 41 42 43 964 225 46 137 48 189
60 161 62 63 1004 605 56 227 228 209
160 231 202 183 1084 765 126 437 438 229
170 441 392 523 1184 905 226 467 1148 439
230 751 442 713 1264 1325 466 937 1178 619
310 881 472 933 1354 1355 506 1107 1278 629
350 951 982 943 1364 1475 816 1167 1358 929
440 981 1132 1033 1674 1705 896 1177 1488 989
630 1131 1292 1053 1704 1835 1176 1267 1708 1179
980 1171 1742 1353 1874 1845 1356 1707 2048 1279
1140 1231 1832 1703 1934 2045 1656 2047 1339
1190 1321 1842 1713 1964 1676 2097 1489
1620 1531 1982 1853 2044 1706 1519
1660 1851 1873 2074 1816
1850 1881 2043 1976
2100 2123 2086

Concrete

730 201 932 83 354 1655 376 187 2008 1469
940 1271 1192 303 1954 2005 757
1130 1492 1863 2104 787
1300 1727

Configuration Effects use Shape Effects

Constant Deflection Line Method 703

Construction Industry use Industry

Containers see also Shipping Containers 2130 178

Containment Structures 1300 1302 326 138 376

Continuum Mechanics 831 832 836 1172 1516

Controls 1573

Control Systems

10 11 122 123 4 975 406 1047 748 9
230 1661 872 263 304 1585 1266 1167 918 1209
1600 1831 1682 513 524 2045 1526 1177 1598 1409
2020 1851 1932 873 1524 1586 1427 2048 1479
1942 1333 1994 1636 1507 2098 1689
1972 1683 2046 1607 2029
2062 2043 1767 2099
1987
2037
2097

Convergence

1520 951 402 403 204 795 407
1042 783 1614 1155 827
1332 957
1157
1327

Conveyors use Materials Handling Equipment

Cooling Systems 582

Correlation Techniques

1230 792 2056 637 1668
802

Corrugated Structures 881

Cost Optimization
1090 811 1962 683 195 1216 1478 339
1481 1793 1456 469
1621 2043 1666 719
759

Coulomb Damping use Frictional Damping

Coupled Response
1190 241 922 2103 535 1126 2028 1729
1240 1981 945 1926 1829
1995

Coupled Systems
920 1021 1022 3 2014 1575 1858 919
2060 1831 803 2024
2061

Coupling Effect
852 2085 1126
922

Couplings use Joints (Junctions)

Abstract Numbers:	1-202	203-401	402-601	602-779	780-944	945-1145	1146-1326	1327-1506	1507-1671	1672-1841	1842-2014	2015-2146
Volume 7												
Issue:	1	2	3	4	5	6	7	8	9	10	11	12

Crack Detection	Curvature Effects									
1413	1248461309									
Cracked Structures	13962109									
176019312092	484	85	376	77	Curved Beams					
		255			9111042					
		755			Curved Panels					
Crack Propagation	352									
139081		85	8861867	898	869	Curved Pipes				
		4851556		1898		1241238				
		1745				1054				
Crane Booms	Curved Plates									
870		18551856			1714					
Crankshafts	Curved Rods									
743				378	518					
Crash Helmets use Helmets	Cutouts use Hole-Containing Media									
Crash Research use Aircraft Crashes,	Cutting									
Collision Research (Automotive),	1801821204716482009									
Collision Research (Railways), Collision	Cylinders									
Research (Ships)	8501011492843546652364681029									
Crash Tests use Aircraft Crashes,	114012116621203474176546614281399									
Collision Research (Automotive),	12101152160365475615581539									
Collision Research (Railways),	1602189310141276									
Collision Research (Ships), Crashworthiness	1604									
Crash Victim Simulation use	Cylinders in Fluid Media use Cylinders									
Occupant Simulation	Submerged Structures									
Crashworthiness	Cylindrical Panels									
31149213032004	105	586	17	1881489	76					
1111	1493	14151216	9971658		Cylindrical Rods use Rods					
1131		14461337			Cylindrical Shells					
1281					53053131219531774315706897888229					
1491					70019517027551438319					
Critical Damping	770144212451688529									
1500	106017751928539									
Critical Speeds	178021051938699									
	1940769									
Cross-Correlation Technique	889									
1230	16681729									
Crushing Strength use Compressive Strength	Cylindrical Tubes use Tubes									

D

Damage Prediction see also Failure Analysis
 80 201 362 363 114 635 356 917 438 649
 610 371 1112 1023 734 1165 726 1287 548 1109
 800 581 1282 1353 924 1745 826 1387 898 1529
 1110 731 1392 1393 964 1805 2126 1527 1328
 1280 821 1622 1473 1394 1815 1817 1898
 1770 871 1523 2127
 1991 1171

Damped Force Response
 1820 402 294 1768 1859
 1928

Damped Structures
 440 1141 1132 943 575 299
 480 1742 1043 1949
 1670 1943

Damping use a more specific term:

Acoustic Damping
 Aerodynamic Damping
 Contact Damping
 Critical Damping
 Dislocation Damping
 Displacement Damping
 Distributed Damping
 Dynamic Damping
 External Damping
 Frictional Damping
 Layer Damping
 Magnetic Damping
 Material Damping
 Modal Damping
 Nonlinear Damping
 Optimum Damping
 Radiation Damping
 Relaxation Damping
 Structural Damping
 Tuned Dampers
 Velocity Damping
 Viscoelastic Damping
 Viscous Damping
 Wobble Damping

Damping Coefficients
 2091 1943 1104 1899

Damping Materials
 72 1865

Dams see also Dikes, Reservoirs (Water)
 102 1983 354 1566 397
 1324

Data Display use Computer Graphics

Data Processing
 171 192 663 1874 675 6 197 438 1339
 461 863 1845 326 437 1578 1579
 953 506 597 2099
 1873 646 1707
 1206 1917
 2057

Data Reduction use Data Processing

Defects (Material)
 801 1413 1425

Deflection
 1780 1531 1062 1654 838
 1810 1771 1894

Design Procedures use Design Techniques

Design Specifications
 850 1443 808

Design Techniques
 300 421 22 23 24 185 436 147 338 339
 350 431 312 463 554 245 496 377 348 429
 460 901 872 523 564 595 526 607 648 589
 990 911 1262 773 614 615 576 627 778 619
 1100 961 1342 923 804 1125 616 727 1008 759
 1120 1121 1522 1083 884 1165 716 1087 1108 809
 1150 1151 1802 1293 1044 1295 1166 1167 1358 1009
 1340 1341 1443 1084 1445 1376 1177 1708 1079
 1430 1451 1523 1124 1645 1426 1187 1838 1089
 1600 1611 1643 1274 1655 1476 1307 1868 1249
 1610 1841 1703 1334 1685 1596 1317 1888 1329
 1840 1823 1444 1825 1626 1427 1509
 2003 1484 1666 1477 1649
 2013 1584 1696 1527 1659
 1594 1736 1867 1819
 1684 1796 1997 1959
 1764 1856 2047
 1866
 1886
 2096

Diagnostics (Biomechanics) use Biomechanics

Abstract Numbers:	1-202	203-401	402-601	602-779	780-944	945-1145	1146-1326	1327-1506	1507-1671	1672-1841	1842-2014	2015-2146
Volume 7												
Issue:	1	2	3	4	5	6	7	8	9	10	11	12

Diagnostic Techniques

50	1	5213931514	275	46	397	18	629
160	61	6721663	496	276	527	588	869
580	121	7521873	725	496	567	1068	2039
630	131		1555	826	1177	1098	
1070	341			976	1267	1118	
1780	451			1166		1358	
	1631			1266		1698	
	2081			1706			

Diaphragms

1107

Diesel Engines use Engines

Difference Equations

2080	402	4041515	185715081439
	412		

Digital Computation Techniques

1160	60118321173	1186	417	229
	981	1673	14861797	1599
	1691			

Digital Control Systems

20201601	122	123	15851586203720481209
	2062	513	204520462098
	2082	873	2086
		2043	

Digital Simulation

16001281	112	2841705	1598	689
	1601			

Dilatational Waves

12051096

Direct Integration Method

896

Discontinuity Containing Media

use a more specific term:

Cavity Containing Media

Hole Containing Media

Opening Containing Media

Rigid Inclusion Containing Media

Discontinuity Containing Media

1061	5321363	84	2107	3181939
	1383	274		

Discrete Element Analysis use

Lumped Parameter Methods

Discrete Fourier Transform use Fourier Transformation

Discrete Systems use Lumped Parameter Method

Disks

17721293	12751766	8481659
19421433		1749
1683		

Dislocation Damping

1909

Displacement Operators

947

Dissipative Systems

991 1844

Distributed Parameter Method use Continuous Parameter Method

Distribution Functions

1242

Divergence

1662

Domes (Structural Forms)

488

Donnel Theory

1951

Drop Tests

94 505

Dry Friction use Frictional Damping

Ductile Materials

2104

Ducts see also Acoustic Linings, Reverberation Chambers

1050	631	4521453	124	265	266	637	828	239
1830	1361		1713	874	335	69615371048	819	
	1751		20531784	875	1026195712081049			
				188411751346		1788		
				1235		2058		
				1885				

Dummies use Anthropomorphic Dummies

Abstract Numbers:	1-202	203-401	402-601	602-779	780-944	945-1145	1146-1326	1327-1506	1507-1671	1672-1841	1842-2014	2015-2146
Volume 7												
Issue:	1	2	3	4	5	6	7	8	9	10	11	12

Dynamic Antiresonant Vibration Isolators
use DAVI

Dynamic Buckling see also Parametric
Response
1953

Dynamic Capacity use Fatigue Life

Dynamic Damping
1641 1376 1608

Dynamic Excitation
464

Dynamic Load Factors
200 81 962 13 164 1165 96 757 78 359
570 121 1212 173 594 2005 126 1107 118 699
630 531 1442 323 1494 136 1127 318 759
1730 681 1812 1353 1594 306 1637 588 939
1051 1852 1663 1654 366 1868 1009
1271 2013 1764 396 1988 1129
1471 2104 436 2078 1389
2101 706 1469
1006
1276
1856

Dynamic Plasticity
1381

Dynamic Pressure Excitation
1506

Dynamic Programing
640 1932 1126 1329
1330 1509

Dynamic Properties
1220 131 602 353 14 1615 327 1298
892 744 1908

Dynamic Response
20 961 732 323 464 945 1076 647 519
110 1231 892 793 1264 1239
1040

Dynamic Stability
130 2121 212 1505 1226 1357 1358 1969
1442 1635 1597

Dynamic Stall
120 721 1662 663 735 347
1097

Dynamic Stiffness
1641

Dynamic Stiffness Matrix use
Dynamic Stiffness, Matrix Method

Dynamic Structural Response use
Dynamic Response

Dynamic Systems
602 963 424 225 1716 1047 918 609
792 1154 975 1288 799
802
1102

Dynamic Testing
1702 773 194 1656 678 1289
1633 514
1664

Dynamometers
767

E

Ear
820 362 363 35 176 177 329
1280 1622 1023 1815 1109

Earth Models
1273

Earthquake Damage
242 243 129

Earthquake-Resistant Design use Seismic
Design

Earthquakes see also Seismic Excitation
100 581 102 303 924 686 397 1178 1839
430 641 242 793 826 1597 1608
940 1671 912 1523 1196 1978
990 1701 1142 1863
1670 1412
1652
2012

Edge Effects
1042 324 1296 1779

Abstract Numbers:	1-202	203-401	402-601	602-779	780-944	945-1145	1146-1326	1327-1506	1507-1671	1672-1841	1842-2014	2015-2146
Volume 7												
Issue:	1	2	3	4	5	6	7	8	9	10	11	12

Eigenvalue Problems see also

Natural Frequencies

10 691 262 613 324 335 796 7 8 269
 880 951 412 1693 404 405 946 887 398 1579
 970 1061 1332 1843 784 605 1146 1237 948 2019
 1150 1421 1862 1674 785 1186 1327 1148
 1560 1521 2022 795 1418
 2030 1695 2018

Elastic Foundations see also

Elastic Supports

1040 322 254 1588
 1592

Elastic Half-Plane use Elastic Properties,
Half-Plane

Elasticity Theory

651 252 1925 257 998 709
 1381 1199
 1239

Elastic Media

1380 1602 484 255 256 1737 1368 1189
 1384 335 1378 1549
 1205 1739
 1275
 1385
 1905

Elastic-Plastic Media

1743 656

Elastic-Plastic Properties

200 231 892 2044 66 1037 1688
 1780

Elastic Properties

150 601 72 783 254 75 76 77 28 139
 270 651 532 893 314 885 1196 477 118 299
 450 1021 542 1003 794 1205 1386 1197 298 539
 890 1061 1022 1323 1064 1285 1576 1237 518 669
 1000 1711 1132 1373 1234 1575 2106 1357 528 1059
 1320 1741 1242 2103 1434 1945 1417 1418 1609
 1380 1761 1752 1554 1995 1667 1538 1739
 1640 2101 1882 1574 1737 1858 1779
 2092 1634 1837 1938
 2102 1764
 1904
 1944

Elastic Supports see also

Elastic Foundations

523 2138 2139
 743
 1053

Elastic Systems

1740 1742 1923 257 218
 1738

Elastic Waves see also Spherical Waves

831 252 253 1214 1925 1946 657 318 199
 1001 832 483 1117 1379
 1541 992 1273 1589
 1901 1002 1739
 1981 1372

Elastodynamic Response

1382 833 1285 1918 1189
 2098 1939

Elastomers see also Foams Polyurethane,
Polymers

1491 1374 545 307 248 1429
 877 528
 1447 1198
 1457
 2127

Elastoplastic Properties

1370 1572 1013 774 17
 2073 1354
 2104

Electrical Equipment

1640 1982 1274 495 1137 1808 1639
 1697

Electrical Fields

913 1025

Electrical Machines

1890 366

Electrodynamic Shakers

287
 357

Electrohydraulic Shakers

511 284

Electrohydraulic Systems

981 95 96

Abstract Numbers:	1-202	203-401	402-601	602-779	780-944	945-1145	1146-1326	1327-1506	1507-1671	1672-1841	1842-2014	2015-2146
Volume 7												
Issue:	1	2	3	4	5	6	7	8	9	10	11	12

Electromagnetic Excitation					Engines																	
1640	913	385	1306	969	1910	582	1653	1326	379													
		1025		1929		1362	1703	1906														
Electromagnetic Properties						1522																
						1702																
1440	752	1643	1724	1536	1768	1589	1719															
	1822			1847	1998	1999																
Electromechanical Damping					Engine Vibration																	
					1530	1702	743	1814														
	2085					1903																
Electronic Instrumentation					Entrances use Doors																	
					504																	
Electronic Test Equipment use Test Equipment					Environmental Effects																	
					750	861	243	34	455	36	377	469										
				1791	713	974	1255	626	507	1299												
					1513	1795	1666	627		1529												
Electrostatics						1963		2006	817													
									1977													
	1074							2037														
Elliptic Functions					Epoxy Compounds																	
					1770	643	1725		1898	1729												
	2022	1904	1065	1846	1947	1439				2069												
		1235					1013															
Energy Absorption see also Automobile Bumpers, Helmets, Helmholtz Resonators					Equations of Motion																	
840	473	1415		107	328	139	1020	191	1382	133	1264	575	1376	217	838	1439						
900					1447	199	1500	531	1712	943	1734	1375	1386	747	998	1519						
					1897	1769		1041		1673	1934	1516	1827	1918	1749							
										2123	2094	1776										
Energy Dissipation					Equations of State																	
940	271	583	1445	1377										1807								
		1443																				
Energy Methods					Equipment																	
431	1233	1865		38	1859		830	861	592	123	984	815	936	27	498	1089						
							2040	1691		673	1004		1226	277	858	1819						
								2001		1753	1274			977	928							
Engine Noise see also Combustion Noise										2043	2084			1787								
										2083		1917										
30	151	342	33	144	45	366	517	338	Equipment Response													
330	181	722	723	334	615	386	557	908	461	462	423	304	526	498	459							
560	711	902	1083	984	875	906	1077	1078	501	592	593	1274		568	1639							
760	1181	1092	1093	1174	1085	1086	1097	1088	591					938								
1080	1481	1362	1103	1254	1145	1096	1297	1258	1581													
1100	1801	1482	1653	1454	1175	1356	1627	1618	Equivalence Principle													
1120		1802	1823	1464	1485	1456	1877	1968														
		2032		1624	1975	1786	1957															
				1794		1966	1967															
				1824		2036																
				1974																		
				2134																		
			</																			

Abstract Numbers:	1-202	203-401	402-601	602-779	780-944	945-1145	1146-1326	1327-1506	1507-1671	1672-1841	1842-2014	2015-2146
Volume 7												
Issue:	1	2	3	4	5	6	7	8	9	10	11	12

Fatigue use a more specific term:

Acoustic Fatigue

Fatigue Life

Fatigue Tests

Fatigue Life

80	81	82	83	84	85	1006	1007	78	79
1100	282	842	1353	1004	485	1556	1227	258	259
1390	842	882	1393	1394	525	1906	1287	658	1159
1910	1391	962	1413	1744	1555		1387	898	1909
		1392	2003	2074	1745		1867	1008	1929
		1762					1907	1328	
							1868		
							1908		

Fatigue Tests

1010	981	82		84	155		1007	658	999
1200		842		1004	195		1227	1388	1009
		1762		1394	485		1387		1389
					525		1727		

Feedback Matrix

10

Feedback Systems

10	11	823	1134	2075		1047	1598	169
	1851		1143	1194		1987		1789

Fiber-Reinforced Materials

1371	921	373	794	1725	246	477		69
			1374		836	1577		1219
						1897		2069

Finite Deformation Theory

1002							528	319
------	--	--	--	--	--	--	-----	-----

Finite Difference Theory

960	131	402	1403	404	1265	16	957	888	319
1780	1191	412		724	1515	1566	987	1048	959
2080	1751	1062		784	1595	1706	1147	1248	1439
	2101			994	1625		1517	1508	
					1234		1857	2028	
					1244		1927		

Finite Element Technique see also

Finite Displacement Method

410	231	772	183	134	15	16	17	1068	439
880	301	942	303	534	75	216	137	1338	1319
1140	431	1162	533	794	795	436	397	1518	1519
1780	611	1172	833	894	1155	886	937	1538	1579
2100	881		1183	1334	1655	1516	1027	1778	1859
	941		1293	1354	1835	1916	1127		
	1321		1313	1804	2085	2068	1197		
	1941			2034	2095		1387		
							1517		
							2027		

Finite Strip Method

1248

Flexural Vibration

541	532	703	544	1065	316		318	1039
701	1772	743	1924	1765	1616		1918	2029
1421		1233						
1761		1243						
2141								

Flexural Waves

1891		1386
1901		

Flight Vehicle Equipment Response

304	498
-----	-----

Flight Vehicles

40	161	142	83	684	15	276	557	158	169
70	171	152	143	934	45	736	567	348	359
150	421	172	173	1074	145	816	737	498	739
160	431	972	653	1104	155	976	817	588	999
170	1091	1682	693	1114	305	1626	1257	608	1099
340	1151	1732	1003	1264	345	1636	1277	698	1109
350	1461	1812	1263	1404	695	1726	1307	738	1139
570	1471		1283	1634	735	1906	1677	1308	1699
580	1601		1633	1814	1135	1986	1987	1628	1799
860	1661		1783		1495			1828	2089
1100	1781		1803		1625			1988	
1310	1811		1813		1635				
1600	1831		1903		1985				
1620	2121		2123						
1910									
2140									

Floating Structures

1061	1853	2144	297	659
------	------	------	-----	-----

Floors

1840	22	1684	1317	429
------	----	------	------	-----

Abstract Numbers:	1-202	203-401	402-601	602-779	780-944	945-1145	1146-1326	1327-1506	1507-1671	1672-1841	1842-2014	2015-2146
Volume 7												
Issue:	1	2	3	4	5	6	7	8	9	10	11	12

Floquet Theory

567

Flow Measurement

60 261 1402 993 1014 265 846 87
260 661 1912 1713 1054 845 1396 1147
1120 1631 1913 1414 1185 2066 1207
1650 1751 1973 1894 1565 1277
1800 1971 2065 1347
1747

Flügge Theory

531

Fluid Containing Containers use

Fluid Filled Containers

Fluid Damping use Viscous Damping

Fluid-Filled Containers see also

Interaction: Structure-Fluid

130 442 315 266 889
1420 702 1245 1396 1029
1580 1992 1885

Fluid-Film Bearings

214

Fluid-Induced Excitation

1340 1241 1182 1203 184 535 756 937 108 689
1880 1451 1232 1603 694 855 796 1567 468 2039
1922 1914 2075 1526 1318
1944
2144

Fluid Mechanics

673 86 1018 789

Fluids see also Water

90 661 2102 1773 394 665 216 267 228 1399
260 1441 1054 845 266 667 668 1559
1340 1841 1604 885 666 1017 848 1749
1560 1911 1734 1025 1706 2077 1228
1570 1398
1700 1568
1748
1928

Flutter

770 191 302 173 294 725 736 227 958 29
880 1601 392 393 1634 1315 816 1137 1308 189
1310 1661 872 1043 1834 1505 1136 1307 1498 769
2010 1662 1053 1306 1607 1598 1139
1832 1173 1326 1677 1309
1852 1313 1636 1499
1833 2116

Foams see also Cushioning Materials,

Elastomers

370 1553 334 505 516 107 928 549
1720 527 1769
2080

Follower Forces

212 1234 1416 1687
1592

Footings use Foundations

Forced Vibration

90 401 1732 543 1774 205 1246 2047 538 949
320 521 933 425 1376 678 1289
540 941 1943 965 1766 1508 1319
600 1041 1275 2138
1140 1705
1740 1725
2110 2105

Forcing Function

1051 884 406

Forcing Phenomena

215

Foundations

1470 941 562 1434 1275 1276 1768 1809
1810 1301 642 1806
1162

Four-Bar Mechanisms

1850

Fourier Analysis

802 1203 954 285 216 247 278 1179
1943 1584 665 1707
1245

Fourier Series use Fourier Analysis, Series Solution

Abstract Numbers:	1-202	203-401	402-601	602-779	780-944	945-1145	1146-1326	1327-1506	1507-1671	1672-1841	1842-2014	2015-2146
Volume 7												
Issue:	1	2	3	4	5	6	7	8	9	10	11	12

Fourier Transformation

2020 271 682 953 744 1705 6 177 318
601 1822 1424 1845 966 1517 1188
681 2092 2045 1676 1677 1398
1021 1797 2058
1331 1847

Fracture Properties

1760 91 962 1413 1474 466 1867 878 869
1916 1898

Fragility

830 1819

Framed Structures

600 1341 1605 17 1669

Frames see also Space Frames

125 126
1605

Fredholm Equation

5

Free Vibration use Transient Response

Freight Cars use Cargo Vehicles

Frequency Analyzers

207

Frequency Domain

1532 1153

Frequency Equation

131 115

Frequency Response

213 4 135 1628
603 234 845
1424

Fretting Corrosion

1550 258

Frictional Damping

1550 1551 112 1993
2071

Friction Bearings

1993 839

Friction Excitation

1826 378

Fuel Elements (Nuclear) use

Nuclear Fuel Elements

Functional Analysis

270 271 952 1153 314 5 236 7 668 1179
2010 1021 1022 1844 975 256 2027
1441 1065 746
2001 1676
1716

Functions

1061 1022 893 5 986 49
1156
1396
1746
1961

Fundamental Frequencies use

Natural Frequencies

G

Galerkin Method

890 701 2123 1614 695 1226 267 308 1309
1231 885 2026 537 968
1401

Galloping Systems

190 1318

Gas Bearings

2072 1045

Gases

210 491 1562 1893 264 995 1336 447 1568 489
1540 454 1365 1546 1747 829
1700 1395 1369
1750 2065 1849

Gas Turbine Blades use Turbine Blades

Gaussian Distribution

293

Gears

803 305 276 697 378 1329
525 306 1448
876
1606

Abstract Numbers:	1-202	203-401	402-601	602-779	780-944	945-1145	1146-1326	1327-1506	1507-1671	1672-1841	1842-2014	2015-2146
Volume 7												
Issue:	1	2	3	4	5	6	7	8	9	10	11	12

Generalized Mass Contribution Technique use
GMC Technique

Glass

331 1165
821

Gradient Methods

950 1142 1607

Graphic Methods see also Plotting Programs

1690 441 41935 1487 358
1444 2025 1468

Gravity Effects

661 492 1397 88
1241 268

Gravity Vacuum Transit System use
Tube Vehicle Systems

Green Function Techniques

1061 1022 893 1544 5 986 798 49
1861 1156
1396
1746

Green Tensor Technique

1846

Grids (Beam Grids) use Beam Grids

Grillages use Beam Grids

Ground Effect Machines

947 1158

Ground Motion

400 561 243 734 355 356 129
731 1573 1809
1571 1839
1671

Ground Shock

1573

Ground Vehicles see also Cargo Vehicles,
Towed Vehicles

30 31 42 43 64 105 186 17 158 929
220 181 1392 53 384 185 386 587 328 1129
280 361 1782 853 584 385 586 617 368 1389
380 471 1792 893 764 585 616 717 578 1429
750 711 2042 933 984 645 766 767 718
810 761 1303 1114 685 856 927 928
1070 811 1493 1204 985 926 1477 1328
931 2083 1724 1035 1006 1487
961 2004 1335 1216 1767
1081 2084 1415 1226 2007
1131 1475 1466
1411 1525 1476
1491 2135 1656
1826
1966

Group Velocity see also Wave Propagation

669

Guardrails

1990 1281 42 1303 1467 1658
382 2137

Guideways

470 761 1723 1186 947 1158
1187 1188
1767

Gunfire Effects see also Weapon Effects

1721 35 177 649

Gyroscopes

1150 872 1694 405 936 1199
1834

H

Half-Plane

483

Half-Space

270 1301 92 1183 484 535 1196 1667 988 539
2090 642 1363 1574 1379
942 1383 1539

Hamiltonian System

206

Abstract Numbers:	1-202	203-401	402-601	602-779	780-944	945-1145	1146-1326	1327-1506	1507-1671	1672-1841	1842-2014	2015-2146
Volume 7												
Issue:	1	2	3	4	5	6	7	8	9	10	11	12

Hammers
1761

Handbooks use Manuals and Handbooks

Harbors

1015

Harmonic Analysis

2001

256
1716

1179

Harmonic Excitation

1740 1711 1712 543 204 425 956 427 2128

1820 504 1245 987

2110 1687

Harmonic Response

1992 3 344 1265
1203

1768 1289

Harmonic Waves

1240 1152 253 824 255 836 1737 838 669

1363 709

1373 1549

Head (Human) use Human Head

Heat Exchangers

2102 263 796 1238 1229

Heat Transfer

510 12 58

1722

Heave Dynamics

2122 1836 2007 659

Helical Springs

1444 327 709

Helicopter Blades use Rotary Wings

Helicopter Noise

360 571 172 1083 805 546 448 569

972 1076 738 1109

1108

Helicopters see also Rotary Wings

70 171 172 173 684 15 276 567 588 169

170 431 972 653 934 305 736 737 608 359

570 1811 1812 693 1074 695 1986 1257 698 739

2140 1151 1813 1814 735 1277 738 999

1471 1283 1404 1135 1987 1278 1109

1831 1495 1828 2089

1985 1988

Helicopter Vibration Effects

70 1471 568

Helmets see also Energy Absorption

351 64

Helmholtz Equation

450 1534 8
818
1048

Helmholtz Resonators see also

Energy Absorption 1015 1359

High Frequency Excitation

385
1425

High Frequency Response

1981 843 844 1057 1249

Highrise Buildings use Multistory Buildings

High Speed Rotors use Rotors (Machine Elements)

High Speed Transportation Systems see also

Rapid Transit Systems 771 1982 1723 1186 1187 1298 1299

Highway Barriers use Guardrails

Hingeless Rotors

2024 169

Hoists use Cables (Ropes)

Hole Containing Media see also

Cavity Containing Media, Opening

Containing Media

1061 84 2107 318 1939
274

Abstract Numbers:	1-202	203-401	402-601	602-779	780-944	945-1145	1146-1326	1327-1506	1507-1671	1672-1841	1842-2014	2015-2146
Volume 7												
Issue:	1	2	3	4	5	6	7	8	9	10	11	12

Ice											
851											
Immersed Structures use Submerged Structures											
Impact Dampers use Shock Absorbers											
Impact Response (Biological)											
1990 351 1474 915 1817											
1991 1626											
Impact Response (Mechanical) use Shock Response											
Impact Tests see also Shock Tests											
380 21 42 643 114 65 326 107 178 309											
840 351 1013 584 105 466 837 1128 499											
1010 361 1553 1434 475 586 897 1898 529											
1300 871 505 676 1107 1129											
1770 1131 835 1216 1447 2129											
1990 1717											
2090 2137											
2130											
Impedance use a more specific term:											
Acoustic Impedance,											
Hydroacoustic Impedance,											
Mechanical Impedance											
Impulse Intensity											
177											
Impulse Response											
424											
744											
Impulsive Load											
1760 472 2013 474 515 67 109											
1322 319											
Impulsive Noise											
741 413 2125 649											
1023											
Inclusion use Discontinuity Containing Media											
Industrial Noise											
1351 1622 553 714 25 1956 437 438 749											
2031 1984 1815 547 548 1089											
618 1989											
Industry											
1980 1961 552 1806 1449											
Inertial Forces											
1221 514 947											
Inextensional Frequencies use Inextensional Waves											
Inhomogeneous Media											
1885 1536											
Inhomogeneous Sphere											
1161											
Initial Value Method											
1861 1576											
Initial Value Problems											
14 967 798											
1534 1858											
1544											
1994											
Instability use Stability											
Installations use Test Facilities											
Instrumentation											
100 101 332 283 234 505 676 457 858 99											
1030 1031 502 503 304 1525 856 767 1028 859											
1210 1211 522 813 504 1206 1027 1408 1029											
1220 1817 1212 973 1214 2086 1217 1918 1409											
1410 1921 1222 1213 1584 1407 1799											
1490 1472 1583 1547											
1707											
1757											
1917											
Instrumentation Correction use Calibrating											
Instrumentation Response use Equipment Response											
Integral Transformations											
1022 314 206											
474 236											
1676											
Integration Methods											
1011 602 413 896 1037 8											
1152 598											
918											

Abstract Numbers:	1-202	203-401	402-601	602-779	780-944	945-1145	1146-1326	1327-1506	1507-1671	1672-1841	1842-2014	2015-2146
Volume 7												
Issue:	1	2	3	4	5	6	7	8	9	10	11	12

Integrodifferential Equation Method

963 1055
1593

Interaction: Aircraft-Pavement

150 83 2006 1628

Interaction: Fluid-Fluid

88
268

Interaction: Gas-Fluid

489

Interaction: Plate-Acoustic Cavity

1294

Interaction: Plate Airflow

1315

Interaction: Plate-Turbulence

1458

Interaction: Rail-Wheel

771 922 803 754
921 1962 1033
1871 1723

Interaction: Rotor-Stator

1482 1093 1254

Interaction: Soil-Foundation

1810

Interaction: Soil-Structure

941 562 563 434 1275 1667 1178
1301 642 1163 1144
1641 732 1183
1651 942
1172
1302

Interaction: Structure-Fluid see also

Fluid-Filled Containers

130 1011 492 1063 184 315 486 127 828 399
1140 2141 662 1143 664 1016 1399
1400 1012 1403 1054 1566
1712 1603 1914
1882 1663 1944

Interaction: Structure-Foundation

530 691 1933 254 428 1979
1040 1284

Interaction: Structure-Medium

130 941 492 563 184 315 486 127 828 399
1140 1011 562 1063 434 1275 1016 1667 1098 1399
1400 1301 642 1143 664 1315 1566 1937 1178
1641 662 1163 1054 1625
1651 732 1183 1144
1671 942 1403 1914
2141 1012 1663 1944
1172
1302
1602
1712
1882

Interaction: Vehicle-Guideway

42 947 1158
382 1187
1487

Interaction: Vehicle-Occupant

380 361 1352 43 384 1466 188 929
900 583 1816

Interaction: Vehicle-Terrain

1411 1783 1204 186 158 1389
1781 1656 368

Interaction: Wheel-Pavement

381 812 763 435 926 1827
932 2136
1792

Interactive Computing

1545

Interface: Solid-Fluid

483 1018

Interferometers

1224 1546

Intermediate Coordinate Transformation use Coordinate Transformation

Internal Combustion Engines

582 1174 1485

Internal Damping use Material Damping

Internal Waves

510 1202 605 1397 88 1569
268
1398

Abstract Numbers:	1-202	203-401	402-601	602-779	780-944	945-1145	1146-1326	1327-1506	1507-1671	1672-1841	1842-2014	2015-2146
Volume 7												
Issue:	1	2	3	4	5	6	7	8	9	10	11	12

Inventions	1276	38 1249	K									
Inverse Problems	1146		Kantorovich Method	1995 1436	319							
Isolation see also Vibration Isolation	903	1066 1478 249	Kinematics	1430	125 656 487 298							
Isolation Systems	1284		1850	825	2028							
Isolators		877		1285								
Isotropic Plates	133	707 837	Kineto-Elastodynamic Response	1285								
Iteration Method	1332 604		Krylov-Bogoliubov Method	1820 391 2064	919							
L												
J												
Jets (Aircraft) use Aircraft			Lagrange Equation use Euler-Lagrange Equation									
Jets (Flow)	490 652 44	847 238 2049	Laminates see also Composite Materials, Sandwich Structures	250 481 542 323 834 835 66 137 48 479								
	1182 1714			520 831 832 833 1375 316 247 478 1189								
Joints (Junctions)	1530 1551 614 1996 1657 698			650 1191 952 1725 837 838 1239								
	1550 878			1000 1771 1752 897 2068 1729								
	1730			1370 1897 2069								
Journal Bearings	2072 1044 1594	299	Landing Gear	1781 1263 1783								
Jump Phenomenon	991		Landing Impact	40 161 1263 1264 596								
Junctions use Joints (Junctions)			Land Mines use Mines (Ordnance)									
			Laplace Transform	270 271 952 1153 1844 746 7 668								
				590 1021 207								
				2010 1441 1947 2027								
			Large Amplitudes	322 1003 544 536 528								
				1243 1616								

Abstract Numbers:	1-202	203-401	402-601	602-779	780-944	945-1145	1146-1326	1327-1506	1507-1671	1672-1841	1842-2014	2015-2146
Volume 7												
Issue:	1	2	3	4	5	6	7	8	9	10	11	12

Large Deflections use Large Amplitudes

Lasers
1365 1998 1999
2088

Lateral Response
1671 1502 926 1158 1229
1106
1226

Lattices use Beam Grids

Launching Response
103 194 155

Launch Vehicles
1502 594 396 197

Layer Damping
250 481 653 546 479
480
840

Layered Structures use Laminates

Least Squares Method
2030

Legendre Method
1693 238

Liapunov Method use Lyapunov Method

Life Tests use Fatigue Life

Linear Analysis
1332 1778
1982

Linear Induction Motors
1723

Linear Oscillators use Oscillators

Linear Programing Technique
1334 607
967

Linear Systems
1690 203 424 55 1166 747
1694 955 1406 1047
1575 1507
2025 1517
1687

Linear Theories
1511 1055 76 1927 729
1646 1439
1569

Linkages
1430 1934 1285 1286
1994 1935 1996

Liquid Containing Containers use
Fluid-Filled Containers

Liquid Propellants
456

Liquids use Fluids

Literature Surveys use Reviews

Longitudinal Response
161 2122 1033 2064 688
2121 1423 2094 1418

Longitudinal Vibration use
Longitudinal Response

Longitudinal Waves
852 273 824 835 1386 1117 1589

Loss Factor
481 822 93 867
113

Loudspeaker Diaphragms use Microphones

Love Shell Theory
1059

Lumped Mass Method
423 1669

Lumped Parameter Method
203 1155 1166 218 1669
423 1648

Lyapunov Method
11 1512 963 1505 1597

Lyapunov Theories
402 1855

Abstract Numbers:	1-202	203-401	402-601	602-779	780-944	945-1145	1146-1326	1327-1506	1507-1671	1672-1841	1842-2014	2015-2146
Volume 7												
Issue:	1	2	3	4	5	6	7	8	9	10	11	12

M

Machine Development

1430 621 97 1289

Machine Foundations

428

Machinery

372 23 815 576 307 858 39
1343 1416 1287
1646 1647
1956

Machinery Noise

550 451 552 553 1704 365 336 147 548 719
1890 712 1343 675 366 336 1089
2031 2146 547 1449
2041 577

Machine Tools

1311 1312 365 336 337 428 1289
1551 1689

Machine Vibration

671 1312 1704 526 1647 1289
1311

Machining Processes see also Dies

180 451 367 1648 179
1290 1821 2047 749
1480 2009

Magnetic Damping

251

Magnetic Fields

1380 1723 1894 2106 59

Magnetic Tapes see also Moving Strips

1595

Magnetoelastodynamic Response

1380

Magnetohydrodynamic Effects

1894 849

Manuals and Handbooks

980 62 63 806 228

Margin of Safety use Factor of Safety

Marine Propellers

842 394
1232 694

Marine Structures

492

Mass-Beam Systems

115

Mass Matrixes

600 894 1579
2109

Mass-Spring Systems

791 1643 1225 286

Matched Asymptotic Expansions

1051 1682
1201 1862 1545

Material Damping

730 71 1192 113 1734 215 1377 248 1879
840 841 1552 473 1198 1909
1200 2061 1193 1528 1949
1440 2103

Material Handling Equipment

370 1645 917 178
1350 578

Materials

1220 281 72 93 84 1005 676 1007 928 19
1260 801 962 643 244 1385 1387 1198 69
1580 841 1013 624 1445 1518 1739
1770 991 1193 1954 1675 1078 2129
1940 1001 1413 2044 1865
2100 1391 2013 2074 2005
1721

Abstract Numbers:	1-202	203-401	402-601	602-779	780-944	945-1145	1146-1326	1327-1506	1507-1671	1672-1841	1842-2014	2015-2146
Volume 7												
Issue:	1	2	3	4	5	6	7	8	9	10	11	12

Mathematical Models see also Simulation

20 1 112 283 284 55 436 17 18 69
 180 261 802 313 304 75 586 217 728 89
 790 391 1342 613 594 165 796 557 1008 559
 970 751 1842 803 784 415 826 687 1138 689
 1450 781 1982 993 884 425 946 797 1228 1099
 1460 851 2052 1033 964 785 1106 947 1308 1469
 1840 961 1093 1164 945 1196 1327 1378 1489
 1870 1101 1213 1914 975 1336 1347 1648 1719
 1171 1944 995 1556 1667 1998 1989
 1201 2094 1015 1646 1817 2028
 1271 2124 1145 1836 1857
 1281 1415 1996
 1291 1475
 1401 1805
 1721 2015
 2025

Mathematical Programming

1334 785 607
 967

Mathieu Functions

1065

Mathieu-Hill Equation use Hill Equation

Matrix Inversion Method use

Matrix Methods

Matrix Methods

600 301 263 894 1155 1156 607 688 119
 700 951 453 1234 1305 2016 1338 1189
 970 1591 613 1454 1615 2146 1518 1319
 1680 883 1994 1695 1838 2109
 2020 1673 2018
 1743
 1843
 2143

Matrix Reduction Method use Matrix Methods

Mean Square Linearization

205

Measurement Techniques

30 281 52 93 444 495 1286 347 418 289
 50 621 512 163 464 555 1356 457 508 459
 290 631 762 443 864 595 1546 467 1118 1599
 330 801 1582 593 904 855 1796 507 1208 1629
 650 881 1642 863 1094 925 637 1268 1759
 1030 971 2052 913 1035 777 1408 1799
 1220 1221 2132 1213 1185 867 1428 1869
 1870 1251 2142 1413 1525 977 1628 1919
 2040 1331 1573 1675 1407 1758 1969
 1461 1583 1547 1878 2119
 1741 2053 1917 1958
 1991

Measuring Instruments

1030 101 502 503 234 676 457 1028 99
 1210 1031 522 1583 1214 767 1408 859
 1410 1211 1212 1224 1027 1918 1029
 1222 1217 1409
 1407 1799
 1707
 1757
 1817

Mechanical Impedance see also

Mobility Method

540 591 1162 934 1275 396 1949
 1440 1151 1302 1404
 1501

Mechanical Properties

1220 1321 32 73 74 95 1106 1547 1908 309
 1700 1552 643 1144 125 1019
 1933 1005
 1405

Mechanical Reliability use

Reliability (Mechanical)

Mechanical Shakers

2067

Mechanical Systems

1350 2071 953 744 575 746 747 918 209
 1820 1733 745 1996 1118 1479
 1585 1288

Mechanical Waves

831 252 483 1214 1925 1946 67 318 199
 1001 832 1273 657 1589 1019
 1541 992 1117 1379
 1901 1002
 1981 1372

Abstract Numbers:	1-202	203-401	402-601	602-779	780-944	945-1145	1146-1326	1327-1506	1507-1671	1672-1841	1842-2014	2015-2146
Volume 7												
Issue:	1	2	3	4	5	6	7	8	9	10	11	12

Modal Synthesis use
Component Mode Synthesis

Modal Velocity use Modal Analysis

Modeling

420	1301	1162	23	1294	15	66	1337	938	19
1040	1311	1342	263	1324	105	796	1347	998	399
1330	1381		423		265	1096	1817	1338	1369
1660	1631		1033		1625	1196		1718	1389
1860			1133		1635	1416		1838	2029
			1163		2095	1486		1888	
			1273			1606			
			1863			1656			

Model Tests use Test Models

Mode Shapes

600	1191	1613		476	657	218	439
690	1591	1923			927	638	1229
1950					1247	1758	1709
					1677		

Modulation Principles

11	44
	104

Modulus of Elasticity

1531	24
------	----

Monitors

1126	1287	1799
------	------	------

Monte Carlo Method

420	1272	958	59
1160			

Moorings see also Ship Anchors

1923	1924	116	619
		1926	

Motorcycles

64	685
764	

Motor Vehicle Bumpers

1491	1374	1446	1447	328	899
				1429	

Motor Vehicle Collision use

Collision Research (Automotive)

Motor Vehicle Noise

220	762	675	766	497	1448
		765	767		
		1795			

Motor Vehicles see also Automobiles,
Tractors, Trailers, Trucks

220	31	1781	43	64	105	186	17	328
380	1131	1792	53	764	645	386	587	368
750	1411	2042	853	1204	685	926	717	
810			903	1824	1035	767		
			2083	2084	1335	927		
					1525	1487		
					2135	1767		
						2007		

Mounting Systems see also Shock Isolators,
Vibration Isolators

1933	1274	1066	2127	428
	1284		1768	
	1314			

Moving Loads

1226	1188
------	------

Moving Sources

156

Mufflers see also Noise Reduction

1522	1083	1454	715	1526	1967	1068
	2133		1966			

Multidegree-of-Freedom Systems

406	427	2128	209
	1687		919
			1149

Multiple Pure Tone Noise

1079

Multispan Structures

590

Multistory Buildings

430	561	912	353	564	1805	1669
730	1271	1142				
1670	1272					

Musical Instruments see also Flutes, Violins

233	864	1535	638
-----	-----	------	-----

Abstract Numbers:	1-202	203-401	402-601	602-779	780-944	945-1145	1146-1326	1327-1506	1507-1671	1672-1841	1842-2014	2015-2146
Volume 7												
Issue:	1	2	3	4	5	6	7	8	9	10	11	12

N

NASTRAN (Computer Program)
881

Natural Frequencies see also
Eigenvalue Problems

110 301 302 233 324 135 166 167 168 229
250 311 522 523 894 705 476 707 308 359
570 321 1402 1593 1064 1015 946 1137 638 879
690 401 1683 1504 1615 956 1567 1238 1229
780 691 1923 1924 1056 1248 1779
890 1591 2103 2014 1496
1250 1931
1950 1951
2060 2061

Navier-Stokes Equations

210 1201 1914 2016 267 1748 1849
847

Network Theory

943 2015 519
1153

Noise Abatement use Noise Reduction

Noise Barriers

901 1082 1253 1304 245 1956
1252 1955

Noise Control use Noise Reduction

Noise Detectors use Acoustic Detectors

Noise Generation

220 61 692 723 24 35 36 37 388 349
340 181 722 873 104 45 156 47 718 569
620 571 932 913 144 855 346 357 748 579
720 921 972 1093 764 865 646 617 1078 649
750 1101 1032 1113 814 1085 766 677 1458 779
760 1291 1182 1463 904 1145 876 697 1668 1119
980 1351 1282 1493 984 1175 906 767 1678 1169
1080 1361 1292 1543 1074 1255 1096 1087 1798 1299
1120 1481 1482 1623 1084 1325 1296 1257 1449
1170 1801 1532 1653 1094 1485 1346 1297 1529
1270 1961 1542 1803 1564 1715 1646 1627 1629
1360 2051 1714 1975 2136 1879
1800 2125 2146 1919
1890 2119

Noise Measurement see also

Acoustic Measurement

280 181 152 163 154 385 506 157 278 149
290 571 172 343 374 555 636 417 418 159
560 971 342 633 764 865 806 437 448 279
720 1181 692 733 854 925 507 908 289
930 1351 762 753 914 985 557 1218 329
1070 1791 1072 853 1094 1035 617 1268 569
1620 1092 1073 1304 1095 807 1548 649
1970 1122 1083 1624 1115 907 1798 819
1462 1093 1714 1455 1877 979
1113 1824 1525 1977 1459
1213 1974 1755 2057 1799
1343 1785 2087 1919
1453 1815
1463 1955

Noise Prediction

140 41 62 63 1024 335 1356 2057 558 1119
450 61 512 153 1034 765 1786 2087 738 1299
1360 341 672 1513 1254 905 2036 1108 1459
1620 451 1362 1883 1304 1215 1889
1630 2113 1464 1345
1830 1494 1755
1754

Abstract Numbers:	1-202	203-401	402-601	602-779	780-944	945-1145	1146-1326	1327-1506	1507-1671	1672-1841	1842-2014	2015-2146
Volume 7												
Issue:	1	2	3	4	5	6	7	8	9	10	11	12

Noise Reduction see also Acoustic Liners,
Mufflers, Sound Absorbers

30	141	142	33	24	25	146	37	148	219
140	151	152	143	144	145	336	117	338	329
330	221	162	153	854	185	366	147	348	339
360	331	172	163	224	245	386	237	548	349
550	341	182	333	334	335	546	337	558	469
560	551	222	343	674	365	606	357	618	549
710	711	332	373	714	385	626	497	718	719
910	841	552	553	814	545	646	547	738	739
1070	901	712	633	874	615	716	577	748	749
1080	1071	722	653	984	645	906	587	908	809
1090	1081	902	713	1074	715	1066	617	978	1069
1120	1091	1032	733	1084	765	1076	627	1078	1079
1170	1451	1082	753	1174	1075	1086	677	1088	1089
1260	1481	1092	973	1254	1085	1256	727	1258	1119
1280	1621	1622	983	1294	1255	1526	807	1528	1169
1450	1791	1452	1073	1454	1345	1456	1067	1448	1259
1620	1961	1462	1083	1484	1455	1526	1077	1788	1349
1630	2031	1522	1193	1784	1485	1786	1087	1958	1449
1790	2041	1542	1453	1794	1685	1796	1257	1968	1529
1960	1552	1483	1964	1785	1886	1457	1619		
	1642	1543	2114	1795	1956	1617	1699		
	1792	1623	1955	1966	1627	1789			
	1802	1793	1965	1787	1959				
	1872	1823	2035	1957					
	1962	2033	2115	1967					
	2032								
	2042								

Noise (Sound) use a more specific term:

Noise Barriers
Noise Control
Noise Generation
Noise Measurement
Noise Prediction
Noise Reduction
Noise Tolerance
Noise Transmission

Noise Tolerance

800	362	363	34	805	176	2038	1349
1280	572	433	574	915	1116	1989	
	1023	914	1115				
	1963	974					
	1514						
	1984						

Noise Transmission

157

Nomograms

621883 1215

Nonconservative Forces

2941515 1687

Nondestructive Tests

680	881	192	683	1224	465	866	387	369
1171	622	1223	1414	1036				679
1531		1504	1866					859
								1219

Nonholonomic Systems

217

Nonlinear Analysis

521	543	1605	1516	208	1519
		1776		1058	1679
				1778	

Nonlinear Programing Technique

785

Nonlinear Response

1520	491	1052	293	1614	135	536	477	538	239
1590	1431	1422	603	1654	1566	537	1058	409	
2030	2112	1243			1616	1157	1568	419	
		1333			1766	1437	2028	519	
						1537	2128	1419	
						2077			

Nonlinear Systems

920	791	402	963	4	205	416	427	398	419
1820	792			244	425	956	1497	408	799
	1662			404	955	1587	1508	919	
				884	965	1667	1738	1159	
				1154	1375			1979	
				1524					
				1574					

Nonlinear Theories

1052 66 257 1059
1439

Nonlinear Vibration use Nonlinear Response

Normal Modes

531	352	1423	895	927	49
1302			945	937	439
			1875		799
					2099

Abstract Numbers:	1-202	203-401	402-601	602-779	780-944	945-1145	1146-1326	1327-1506	1507-1671	1672-1841	1842-2014	2015-2146
Volume 7												
Issue:	1	2	3	4	5	6	7	8	9	10	11	12

Nozzles

710 1071 1032 993 144 1415 1696 87 1078 159
 910 1091 1072 1803 1464 1736 1958 1099
 1800 2131 1452 2113 2066 1269
 1970 1462 1959
 1624
 2052

Nuclear Explosions see also

Weapon Effects

1030 242 243 1954 1895 1366 1469
 442 1719

Nuclear Explosions (Underground)

242 243 1895

Nuclear Fuel Elements

183 375

Nuclear Power Plants

100 71 312 374 757 759
 310 581 1302 964
 1301 1412
 1581 1652
 1651
 1701

Nuclear Reactor Components

71 923 884 375 376 1127 758
 924 1008

Nuclear Reactors

375 796

Nuclear Reactor Safety

376

Numerical Analysis use

Numerical Techniques

Numerical Methods use

Numerical Techniques

Numerical Techniques

210 131 92 113 204 75 16 7 8 9
 270 191 402 313 404 235 66 77 48 19
 310 411 412 403 604 325 86 407 138 109
 400 521 472 413 724 425 786 647 688 119
 410 611 1062 903 784 605 946 847 888 299
 440 1001 1332 953 994 695 996 887 948 319
 920 1011 1422 1103 1064 725 1156 957 968 409
 960 1161 1612 1143 1154 1045 1226 967 998 599
 1000 1191 1842 1153 1234 1155 1436 987 1048 709
 1240 1231 1862 1403 1244 1265 1566 1037 1068 849
 1320 1271 1892 1743 1264 1515 1676 1117 1248 879
 1540 1651 1952 1903 1324 1595 1706 1197 1458 919
 1590 1681 2002 1574 1625 1846 1247 1508 959
 1680 1751 1614 1775 2066 1327 1548 1439
 1780 1916 1764 2085 1417 1688 1609
 1950 2021 1844 1517 1738 1679
 2080 2101 2064 1587 1748 1689
 1777 1848 1729
 1847 2028 1849
 1857 2118
 1927
 2027

Occupant Simulation see also

Anthropomorphic Dummies, Human Response
 1176 1279

Oceans

1870 51 1202 1397 88 659
 1880 1557 268 689
 1569

Off-Highway Vehicles see also Tractors

750 1204 368
 810

Offshore Structures

400 1853

Oil Film

1902 299

One Degree-of-Freedom Systems use

Single Degree-of-Freedom Systems

Optical Methods

1390 91 522 1013 1715 1998 369
 2001 2088 379
 1999

Abstract Numbers:	1-202	203-401	402-601	602-779	780-944	945-1145	1146-1326	1327-1506	1507-1671	1672-1841	1842-2014	2015-2146
Volume 7												
Issue:	1	2	3	4	5	6	7	8	9	10	11	12

Optical Properties

1440 1643 1536 1768 1589
1999

Optimal Control use

Control Systems Optimization

Optimization

10 331 1142 263 414 245 606 607 1488 9
961 1682 1293 1444 415 786 787 1598 209
1851 1852 1333 1335 1936 1427 1149
1902 1483 1685 2116 1987 1199
1932 1683 1479
1942 1509
1972

Optimum Damping

1045

Optimum Design

430 1611 1852 1873 1334 785 1426 1168 1479
1850 1684 1866 1288 1509
1936 1468

Orthotropic Beams

1744

Orthotropic Plates

1950 131 833 324 537 948
321 1613 534 1248
541 1684

Orthotropic Shells

1940 889

Oscillations use Vibration Response

Oscillators

240 391 3 486 857 1738 949
566 1999

Overhead Guideways use

Suspended Structures

P

Packaging

370 505 917 578 1119
2130 2129

Panels

770 191 352 1053 1744 76 1067 1948 189
880 881 392 1253 1944 1136 1607 259
1770 1431 632 1833 1936 1727 1769
2010 1721 882
2100 1901 1432

Parameter Identification

170 801 732 103 414 1135 1116 787 368 1339
800 792 463 444 1865 1207 428 1799
1130 802 803 1084 1887 938
2030 1762 1093 1164 1298
2042 1323 1404 1308
1864

Parametric Differentiation Method

849

Parametric Excitation

590 702 2024 256 1497 408
1690 1852

Parametric Resonance

408

Parametric Response see also

Autoparametric Response, Dynamic Buckling
590 443 444 936 1397 1588 1999
710 934

Parapets use Guardrails

Passenger Vehicles

811 1392 933 1114 1415 856 928 929
1491 1782 1303 2004 1216 1328 1429
1493 1466
1476
1656
1826

Passive Isolation

1478 249

Pavement Roughness

381 187 1389
1827

Abstract Numbers:	1-202	203-401	402-601	602-779	780-944	945-1145	1146-1326	1327-1506	1507-1671	1672-1841	1842-2014	2015-2146
Volume 7												
Issue:	1	2	3	4	5	6	7	8	9	10	11	12

Pavements
150 1531 552 83 1654 1655 186 68
1130 932 2005 2006 1628
1490 2008

Pendulums
1200 391 1862 684 788 2089
1904

Penetration
1435

Periodic Excitation
320 721 122 31884 175 246 327 258 949
1330 1141 272 573 665 1397 308 1399
1742
1752
2092

Periodic Media
1541

Periodic Response
660 491 1512 563 215 736 1167 1508 1949
1900 1051 1532 425 1496
2060 2061 2002

Periodic Structures
111 1373 1424 1319
1549

Perturbation Methods
210 111 1052 133 1064 1045 416 267 608 959
480 521 1682 293 1595 666 1157 1838
1420 2022 793 1775 1336
1510 1273 2015 1346
2000 1683 1686
2010 1866

Phase Data
51 682 44 1537

Phase Velocity
1025 1899

Photoelastic Analysis
91 379

Piezoelectric Materials
1210 1031 1222 1214 256 1027 168
1240 1211 1918

Pile Driving
121

Pile Structures
1470 1641

Piping see also Tubes
130 442 883 124 885 1526 667 668 129
310 884 1565 2056 1937 1238
1290 1054 1608
1834

Piping Resonators use Pipe Resonators

Pistons
1920 517 829
1747

Plasma
1161 208

Plastic Deformation
200 231 32 1953 1435 1516 1688 109
2131 962 2013 2078 1239

Plasticity Theory
1168
2078

Plastic Properties
32 73 74 125 309
1322 1144 1019

Plastics
1252 93 325 488
623 515

Plate-Airflow Interaction use
Interaction: Plate-Airflow

Plates (Structural Members)
250 311 322 133 134 5 136 77 98 269
320 321 532 533 254 325 316 137 168 479
500 541 542 833 314 535 466 247 318 1239
540 701 822 893 324 895 476 537 538 1439
590 891 1062 1063 534 1225 536 707 708 1609
680 1061 1242 1243 544 1275 866 757 838 1659
890 1241 1612 1293 664 1375 886 837 848 1749
1000 1441 1772 1433 894 1056 887 948 1779
1180 1741 1533 1064 1246 1057 1058 1949
1240 1771 1613 1434 1436 1117 1228
1250 1941 1683 1614 1766 1247 1248
1440 1943 1684 1947 1888
1730 1714 2107 1898
1950 2014 2068
2110 2104 2108

Abstract Numbers:	1-202	203-401	402-601	602-779	780-944	945-1145	1146-1326	1327-1506	1507-1671	1672-1841	1842-2014	2015-2146
Volume 7												
Issue:	1	2	3	4	5	6	7	8	9	10	11	12

Plate-Turbulence Interaction use
Interaction: Plate-Turbulence

Pneumatic Isolators

554 877

Pneumatic Systems

551 1446 307 328

Pneumatic Tires use Tires (Pneumatic)

Pogo Oscillation use Pogo Effect

Point Contact use Hertzian Contact

Point Matching Method

1939

Point Source Excitation

1710 1002 1883 1854 156 1539
2054

Poisson's Ratio

413

Polyethylene Foams

2080

Polymers see also Elastomers

1001 1553 1908

Polyurethane see also Elastomers

1553 1126

Porcelain use Ceramics

Positioning Devices

1342 1935 1997

Power Generators

1360 12 1644 1787
182 1967
1412

Power Plants

100 71 312 374 1815 757 759
310 581 1302 434 1787
1301 1412 964 1967
1581 1652
1651
1701

Power Series Method use Series Solution

Power Spectral Techniques

1133 1584 2055 966 2117
1186

Power Trains

275 276
305

Prediction use Damage Prediction,
Diagnostic Techniques

Pressure Vessels

371 1649
2131

Prestressed Concrete

1300 1107
1490 1727

Prismatic Bodies

1591 1244 708 1499

Probability Density Function

413 1507 1159

Probability Theory

610 13 964 1127 1738
1523

Propeller Blades see also Rotary Wings

300 1232 694 1256 119
1340

Propulsion Systems

1080 1522 983 394 465 506 1619
1630 694 1026
1814

Protective Shelters

1469

Pulse Excitation use Shock Excitation

Pumps

580 2041 752

Pyrolytic Graphite Type Materials use
Vapor Deposited Materials

Pyrotechnic Shock Environment

500 461 94 515 596 597 458 459
1664 1348
1578

Abstract Numbers:	1-202	203-401	402-601	602-779	780-944	945-1145	1146-1326	1327-1506	1507-1671	1672-1841	1842-2014	2015-2146
Volume 7												
Issue:	1	2	3	4	5	6	7	8	9	10	11	12

Q

Quartz 1222 134 167

R

Radiation Damping 486

Railroad Cars
1090 771 922 803 1126 997 1138 1009 1298

Railroad Noise
921 373 1215
753 1345

Railroad Tracks
1871 754 1125 1124

Railroad Trains
921 922 1033 1004 1299

Railroad Wheels 1299

Random Excitation
610 981 792 13 424 525 416 1127 158 169
1710 2012 293 1555 746 2097 1298 369
873 966
1016

Random Media
640 1371 492 1544 825 1746 1378
850
2000

Random Response
170 171 1272 193 1745 747 38 169
230 421 1312 1738 1159
610 621 2062 1979
2050

Random Vibration use Random Response

Rapid Transit Systems see also
High-Speed Transportation Systems
1090 1871 1962 1723 1124 1125 997

Rayleigh-Ritz Method
310 1161 1614
1320

Rayleigh Waves
1541 1273 1214 1379

Ray Theory
640 422 825 1569
935

Reactors
183 184 755 377
923

Recording Instruments
1181 1595 1756

Rectangular Plates
540 541 822 1943 324 535 316 247 1248 1939
590 1771 1436 537 1949
680
890
1000

Refrigeration Equipment use
Air Conditioning Systems

Regulations
220 141 432 1793 224 25 37 438 219
360 181 972 1853 854 915 237 558 1169
1170 1621 1872 1963 1175 577 618
1691 2033 1525 587 738
1701 1795 617
2031 807

Reinforced Beams 757

Reinforced Concrete
730 1192 303 2104 1655 376 757 1469
940 1863 1727 1839
1130
1300

Reinforced Materials
693

Reinforced Plates 757

Reinforced Shells 706

Abstract Numbers:	1-202	203-401	402-601	602-779	780-944	945-1145	1146-1326	1327-1506	1507-1671	1672-1841	1842-2014	2015-2146
Volume 7												
Issue:	1	2	3	4	5	6	7	8	9	10	11	12

Reinforced Structures
1271 488
2131

Relaxation Damping
877

Reliability (Mechanical)
830 371 752 863 1274 585 1287 1329
1100 1121 1083 2084 1657 1659
1581 1697
1701

Reliability (Structural)
1100 192 13 1655 196 377 898
882 1008
1232

Reservoirs (Water) see also Dams, Dikes
1324 1567

Resonance use a more specific term:
Acoustic Resonance
Cavity Resonance
Parametric Resonance
Spatial Resonance
Vibration Resonance

Resonance Bar Technique
196

Resonance Tests see also Vibration Tests
1323 1425

Resonant Beam Technique use
Resonance Bar Technique

Resonant Frequency use
Natural Frequencies

Resonators
134 2085 168 2079
1224

Response use a more specific term

Acoustic Response
Bearing Response
Coupled Response
Elastodynamic Response
Frequency Response
High Frequency Response
Lateral Response
Longitudinal Response
Nonlinear Response
Parametric Response
Periodic Response
Random Vibration Response
Rotor Response
Seismic Response
Shock Response
Structural Response
Torsional Response
Transient Response
Unbalanced Mass Response
Vibration Response

Response Plate Approach
500

Response Spectra use a more specific term:

Shock Response Spectra
Vibration Response Spectra

Restraint Systems use
Safety Restraint Systems

Reverberation
1230 1351 232 823 448
988
1878

Reverberation Chambers
631 52 873 1755 1026 637 1208 279

Reviews
30 21 32 33 24 35 36 27 28 29
620 31 252 43 34 435 76 37 978 99
810 221 812 223 434 915 976 977 1348 219
1610 621 1172 283 974 975 1116 1047 1698 619
1870 811 1542 433 1124 1075 1346 1347 2038 809
2040 1871 2032 813 1344 1125 2036 1867 1299
1173 1524 1345 2037 1699
2033 2034 2035 1869
1999
2039

Reynolds Equation
1915 1896

Abstract Numbers:	1-202	203-401	402-601	602-779	780-944	945-1145	1146-1326	1327-1506	1507-1671	1672-1841	1842-2014	2015-2146
Volume 7												
Issue:	1	2	3	4	5	6	7	8	9	10	11	12

Rheological Properties
1911

Rigid Bodies
691 236
1011

Rigid Inclusion-Containing Media
680 1058

Rings
1780 441 1953 1065 326 1247 138 139
1405 2018 709
1615 879
1785 1249

Ritz Method
212 1043 604 837 559

Road Profile use Road Roughness

Roads
80 1411 812 966 187
1130

Rocket Launchers use Missile Launchers

Rocket Motors
1354

Rockets
530 672 598 509
1409

Rocket Sleds
463 465

Rocks
91 1222 1057 1638 1379
1958

Rods see also Bars
780 101 1572 824 1925 246 1197 518 869
1420 1041 2094 1995 1946 1587 1928 1039
1590 1421 1589
1920

Roller Bearings
620 282 1425 1426 118 839
1249

Roofs
296 1309

Rooms
41 443 444 1875 1886 639

Ropes use Cables (Ropes)

Rotary Wings see also Fans, Propeller
Blades, Helicopters
170 1471 1812 173 1074 65 736 1277 388 169
570 693 1494 695 1986 1987 588 359
2140 1463 2024 1135 2096 608 739
1985 1108 999
1278 1829
1458 2139
1678
1828

Rotating Structures see also Compressors,
Shafts, Turbomachinery
260 1421 372 1694 295 1416 118 39
1890 1942 405 1766 278 389
378 1449
858
2138

Rotation
1561 1772 1703 1926 38 1199
788 1749

Rotatory Inertia Effects
1760 531 522 1763 2095 1377 888 2029

Rotor Blades (Rotary Wings) use
Rotary Wings

Rotor Blades (Turbomachinery) see also
Compressor Blades
1410 302 1223 1305
1930

Rotor Noise
1083 1494 1257 388
1133 1108

Rotor Response
768 839
1278
1358

Abstract Numbers:	1-202	203-401	402-601	602-779	780-944	945-1145	1146-1326	1327-1506	1507-1671	1672-1841	1842-2014	2015-2146
Volume 7												
Issue:	1	2	3	4	5	6	7	8	9	10	11	12

Rotors (Machine Elements) see also Shafts
 70 251 1132 23 214 935 326 138 169
 1830 1831 1812 1133 934 1495 1036 588 389
 2140 1902 2123 1044 2145 1496 698 589
 1754 768 1339
 2124 1828 1409
 2138 1659
 1879
 2139

Roughness use Surface Roughness

Rubber use Elastomers

Rules use Regulations

Runway Roughness see also Road Roughness
 2006 1628

S

Safety Belts use Seatbelts

Safety Factors
 1100 641 1622 83 64 195 177 188 899
 1300 731 1652 183 804 1895 757 1658 929
 811 2082 923 884 1477 2008 1699
 1581 2004

Safety Restraint Systems
 380 31 1352 583 384 916 1128 1279
 900 361 1492 584 1176 1478
 1990 1111 1466
 1281

Sandwich Beams
 113

Sandwich Plates
 321

Sandwich Structures see also Composite
 Structures, Laminates
 480 211 472 1936 538
 520 1431 632
 700 1901
 1770

Satellite Booms (Antennas) use Antennas

Satellites see also Spacecraft
 1660 692 1503 655 1837 2088

Scaling use Test Models

Scaling Techniques
 612 103 1715 509

Screws
 211

Seals (Stoppers)
 2002 1038

Sea Surface
 1400

Seat Belts
 583 1128
 1478

Seismic Design
 430 561 102 303 434 755 376 1357 758 129
 730 581 912 923 964 686 1468 1419
 940 641 1142 1523 826 1978 1639
 990 1701 1412 1839
 1652

Seismic Excitation see also Earthquakes
 100 561 562 563 734 55 377 1608 1149
 400 581 912 1523 165 1697 1419
 670 1571 1702 1983 1639
 730 1581
 940 1651
 1891

Seismic Response
 1670 242 243 924 55 1366 1978
 1183 1324 165

Seismic Waves
 1981 992 1895 1366

Self-Excited Vibration
 120 191 302 173 294 205 566 227
 180 391 392 393 1134 725 736 367
 190 771 872 1043 1634 1315 816 1137
 390 1311 1312 1053 1834 1505 1136 1607
 590 1601 1662 1143 1833 1306 1677
 770 1661 1832 1173 1326 1827
 880 1313 1506
 1310 1636
 2010 2116

Self-Sustained Vibration use
 Self-Excited Vibration

Abstract Numbers:	I-202	203-401	402-601	602-779	780-944	945-1145	1146-1326	1327-1506	1507-1671	1672-1841	1842-2014	2015-2146
Volume 7												
Issue:	1	2	3	4	5	6	7	8	9	10	11	12

Series Solution

1050 1943 1904 235 216 647 998 389
2000 2023 745 426 857 2138 1569
1695 1017

1157

1497

2077

Servomechanisms

873 524 1427 1689
1657

Shafts (Machine Elements) see also

Rotors (Machine Elements)

651 743 214 295 1657 378
944 2138

Shakedown Theorem

200 774 656

Shakers use a more specific term:

Electrohydraulic Shakers

Hydraulic Shakers

Mechanical Shakers

Multiple Actuator Shakers

Shallow Arches

2023

Shape Effects

1800 144 1235 166 58 159
124 846 1678 1049
1236 1249
1396 1309
1596 1209
1976

Shear Deformations use

Transverse Shear Deformation Effects

Shear Modulus

1518

Shear Stress

150 481

Shear Strength use

Transverse Shear Deformation Effects

Shear Waves

650 851 642 1363 1554 255 1556 477 2058 89
1201 1302 1383 1564 1905 1117 529
1261 1402 1737
2051 1947

Shells of Revolution

611 892 2103 1055 1777 888
1952

Shells (Structural Forms)

530 531 132 313 544 135 136 137 888 229
700 611 312 323 704 315 706 317 1058 319
770 701 892 703 1244 325 896 897 1438 529
1060 1611 1442 1773 1774 705 1776 1688 539
1250 1941 1952 1953 755 2106 1778 699
1610 1951 2103 1055 1928 769
1730 2131 1245 1938 889
1780 1775 1059
1940 2105 2109

Shell Theory

1610 1951 1774 1945 136 889
1834 1059
1649

Shields (Shrouds) use Shrouds

Shimmy use Wheel Shimmy

Shipboard Equipment Response

591 501 462 938
592 593

Ship Engines use Marine Engines

Ship Hulls

1140 591 192 395
2141 1835

Ship Noise

841 1193 469

Shipping Containers see also Containers,

Tanks (Storage)

370 917
2130

Ship Propellers use Marine Propellers

Ships

1400 2141 462 1663 394 395 1836 178 1769
592 464 1835 938
842

Ship Structural Components

1140 591 192 395 1836
2141 1835

Ship Structures use Ships

Abstract Numbers:	1-202	203-401	402-601	602-779	780-944	945-1145	1146-1326	1327-1506	1507-1671	1672-1841	1842-2014	2015-2146
Volume 7												
Issue:	1	2	3	4	5	6	7	8	9	10	11	12

Ship Vibration
671 593 395 937
1645
1705

Shock Absorbers
810 1921 112 2083 2084 685
1920 1415

Shock Absorption see also
Vibration Absorption
1920 1782 1954
1990

Shock Excitation
1030 1431 992 423 1344 495 356 647 478 1149
1545 827 1719
1885 1807

Shock Isolation
830 1644 495 877 1429

Shock Isolators see also Mounting Systems
307 1768
527

Shock Resistant Design use
Blast Resistant Design

Shock Response
450 681 92 643 1264 1415 1286 837 138 449
840 1721 382 913 1344 1435 1726 1337 778 509
1290 1731 682 1013 1434 1467 878 699
1300 1761 772 2124 1487 1418 1129
1920 1232 1947 1718 1739
2090 1782 2107 1769
1899
2069

Shock Response Spectra
511 682 284 285 56 97
681 732 414 595 226 197
924 2045 396 597
1547
1707
2067

Shock Tests see also Impact Tests
500 501 462 283 94 195 56 97 1638 1209
1720 592 1664 287
1572 527
917
1547
2067

Shock Tubes
1720 291 673 1364 1546 57 98 489
1753 1414 2107 478
1028
1848

Shock Tube Tests
291 644

Shock Wave Attenuation
57

Shock Wave Diffraction
457

Shock Wave Propagation
991 244 1235 1237 478 59
1368

Shock Waves
210 411 62 393 244 235 466 57 58 59
460 461 862 993 264 265 666 457 98 379
1720 1971 1562 1223 644 995 996 487 508 489
1750 1672 1753 704 1365 1036 827 828 829
1722 1893 994 1545 1366 1197 938 989
1892 1913 1144 1625 1386 1217 1028 1369
2063 1184 2065 1546 1367 1368 1719
1364 1706 1587 1638 2079
1894 2066 1717 1848
1954 1747
2064

Short Takeoff Aircraft
300 161 342 153 114 1825 906 907 348 909
1731 1092 1783 1266 1177 558 1069
1452 2113 1267 1078 1259
1462 1957

Shrouds
910 881 1082 2113 714 1955 1956
1790 1071

Shuttles (Spacecraft) use Space Shuttles

Signal Flowgraphs
278

Signal-to-Noise Ratio
223 1206 819
2053

Abstract Numbers:	1-202	203-401	402-601	602-779	780-944	945-1145	1146-1326	1327-1506	1507-1671	1672-1841	1842-2014	2015-2146
Volume 7												
Issue:	1	2	3	4	5	6	7	8	9	10	11	12

Simulation see also Mathematical Models
 380 1 62 193 104 105 856 287 288 629
 530 21 112 283 284 225 916 1217 458 659
 630 391 292 383 784 375 1176 2097 1278 689
 1660 461 462 713 1114 425 1186 2137 1308 939
 471 572 803 1154 635 1236 1348 1149
 761 812 1033 1634 945 1476 1488 1279
 821 862 1213 2124 1475 1506 1818 1489
 861 882 1503 2015 1986 2028
 1131 1412 1863 2085 2006
 1171 1982
 1281
 1391
 1411
 1991

Single Degree-of-Freedom Systems

949
 1159

Sinusoidal Excitation use Periodic Excitation

Skew Plates
 1950 1613

Skidding
 186 187

Skis
 1477

Slabs
 1752 1125 67 1739
 1107

Slider Bearings
 1595

Snap-Through Problems
 211

Snow
 1506

Snowmobiles
 280 181 1477

Snow Skis use Skis

Soil Compressibility
 1572 1204 1806 1807

Soil
 1810 751 942 1163 494 457 1178
 1571 1572 1573 1144 1937
 1204
 1404

Sonar Systems
 223 1027 488
 232 1217

Sonic Boom see also Acoustic Excitation,
 Sound Waves
 160 411 352 53 1114 635 36 817
 350 821 512 1543 1874 1165 976
 861 882 1873 1185
 1461 2142

Sonic Fatigue use Acoustic Fatigue

Sonic Flow
 1913 235

Sound Absorbers see also Noise Reduction
 50 331 1252 714 1965 516 517 549
 1450 1251 1522 1526 717 1089
 1359

Sound Attenuation use Noise Reduction

Sound Detection
 680

Sound Generation
 220 61 692 233 104 35 36 37 718 349
 340 181 722 723 144 45 156 357 748 569
 620 571 932 873 764 445 346 617 1078 579
 720 1101 972 913 814 855 646 677 1428 649
 750 1182 1032 1093 864 865 766 767 1458 779
 760 1291 1282 1113 904 1085 876 1087 1119
 980 1351 1292 1463 984 1145 906 1297 1169
 1080 1361 1482 1493 1074 1175 986 1627 1299
 1120 1460 1542 1543 1084 1485 1096 1449
 1170 1481 1623 1094 1715 1796 1529
 1270 1801 1653 1564 1975 1346 1629
 1360 1961 1803 2114 2125 2076 1879
 1460 2051 2133 2134 2135 2126 1919
 1800 2136 2049
 1880 2146
 1890

Abstract Numbers:	1-202	203-401	402-601	602-779	780-944	945-1145	1146-1326	1327-1506	1507-1671	1672-1841	1842-2014	2015-2146
Volume 7												
Issue:	1	2	3	4	5	6	7	8	9	10	11	12

Sound Measurement see also

Noise Measurement												
280	181	152	53	154	385	106	157	278	149			
290	451	172	163	374	555	176	417	418	159			
560	571	222	343	764	865	506	437	448	279			
620	971	342	633	854	905	516	507	908	289			
720	1181	692	733	914	925	636	557	1218	329			
800	1351	762	753	1094	985	806	617	1268	449			
820	1691	822	853	1304	1035	1756	807	1548	569			
930	1791	1072	983	1624	1095		817	1798	649			
1070		1092	1073	1824	1115		907		819			
1580		1122	1093	1974	1255		1257		979			
1620		1462	1213	2054	1455		1877		1459			
1970			1343		1755		1977		1759			
			1453		1785		2057		1799			
			1463		1815		2087		1919			
			2053		1955				2059			

Sound Pressures use Acoustic Pressures

Sound Radiation use Sound Waves

Sound Rays

1510	1536
------	------

Sound Recording see also

Recording Instruments	
280	675

Sound Reduction use Noise Reduction

Sound Scattering use Acoustic Scattering

Sound Transmission

550	632	223	124	875	47	1049
1050	1692	443	234	985	157	1319
1180		713	444	1875	1067	
1510		1784			1537	
					1617	

Sound Wave Propagation

1540	1361	192	53	454	455	446	987	448	49
			452	1883	1304		1536	1577	988
			1182		1784				1048
			1672		1884				1259
			1712						
			2052						

Sound Waves see also Acoustic Excitation,

Sonic Booms												
450	51	182	823	44	75	16	127	48	449			
560	241	452	1133	54	445	106	157	238	539			
680	631	482	1533	824	455	236	517	818	639			
800	821	822	1713	864	985	986	1067	1538	739			
1050	851	882	2053	874	1325	1116	1367	1548	819			
1080	1101	1292		1294	1535	1236	1577	1748	989			
1180	1251	1432		1534	1765	1646	1717	1878	1099			
1270	1291	1672		1884	1875	1876	1757	1888	1269			
1540	1711	2142		1964		2056	1787	2058	1459			
1830	1881			2134			2087		1539			
1890							2117		1569			
2050									1629			
									1759			
									1789			
									2059			

Spacecraft see also Satellites

20	461	512	193	194	195	196	197	198	199
870	1221	692	513	594	405	396	597	288	459
1500	1501	2082	683	1314	515	436	1837	628	509
2100	2011	2142	773	1664	1315	596	2097	678	939
			1173	1874	1665	726		808	
			1503	2074		1316		1578	
			1753			1666			

Spacecraft Equipment Response

1501	27	1348
	597	

Spacecraft Instrumentation Response

597

Space Shuttles

1500	1173	1314	1315	1316	2097	628	509
2100		1874		1666		808	
		2074					

Space Stations

1500	1173	1314	1315	1316	2097	628	509
2100		1874		1666		808	
		2074					

Space Vehicles use Spacecraft

Specifications see also Standards and Codes

290	501	592	973	194	195	387	198	289
850	2041		1443	1594		2037	498	
			1623	1664			568	
							578	
							808	

Abstract Numbers:	1-202	203-401	402-601	602-779	780-944	945-1145	1146-1326	1327-1506	1507-1671	1672-1841	1842-2014	2015-2146
Volume 7												
Issue:	1	2	3	4	5	6	7	8	9	10	11	12

Spectral Density Method
2050 595 2116

Spectral Matrix Method
2146

Spectrum Analysis
1870 1181 992 1133 954 865 966 1297 568
1331 2042 1305 1186 1647 1828
2055 1797
2117

Spectrum Analyzers
1880 2001

Spheres
260 1201 1203 844 665 486 7 728 449
450 1893 994 1945 1737 1399
1434

Spherical Caps
211

Spherical Shells
1250 132 2113 704 705 317 488
888
1538

Spherical Waves see also Elastic Waves
670 982 233 314
864
1184

Spheroidal Shells
313

Spheroids
848

Spine (Human) use Human Spine

Spinning use Rotation

Spring-Mass Systems use
Mass-Spring Systems

Springs
1443 1284 1445 327 709
1444

Squeeze-Film Bearings
1902

SST Aircraft
340 1071 142 143 1114 976 1099

Stability
120 11 12 203 4 215 126 257 298 89
130 161 212 213 64 695 576 567 608 139
180 661 262 963 214 885 736 737 698 609
190 771 1202 1043 294 1495 756 847 788 699
490 791 1312 1503 444 1565 846 1177 1158 789
660 931 1402 1833 524 1605 926 1267 1418 1199
770 1261 1422 1853 754 1635 1266 1367 1588 1629
790 1511 1512 1014 1735 1316 1397 1728 1689
1000 1851 1592 1044 1855 1346 1417 1938 1729
1500 1911 1732 1234 1915 1376 1557 1948 1809
1600 2011 1812 1404 1985 1416 1597 1988
1610 2121 1942 1504 2025 1436 1687 2108
1690 2122 1524 2075 1716 1767
1730 1854 1836 1837
1750 2024 1856 1857
1946 2007
2027
2077

Stable Platform
1855 1856

Stacks (Exhaust) use Chimneys

Stalling
120 1135
570

Standards and Codes see also Specifications
220 181 22 1343 734 25 26 197 618 219
1360 971 222 185 806 737 648 429
432 805 916 1167 718 1349
1472 1085 1227 808 1429
1255 1317 1639
1455 1697 1919
1525

Standing Waves
508

Static Analysis
1633 1804 125
1095

Static Loads
121 292 1005 96 1107
1271 1002 1775 136

Abstract Numbers:	1-202	203-401	402-601	602-779	780-944	945-1145	1146-1326	1327-1506	1507-1671	1672-1841	1842-2014	2015-2146
Volume 7												
Issue:	1	2	3	4	5	6	7	8	9	10	11	12

Statistical Analysis

420 611492 131514 965 296 417 418 419
850 6212012 413 966 807 2038 1159
1691 793 1507 2068 1329
2051 1513 1817

Statistical Energy Methods

1692

Statistical Linearization

792

Steady State use Periodic Excitation

Steady State Response use Periodic Response

Steel

1010 921 1392 1005 1661227 658 1909
1390 1391 1435 68619071388 2129
1645 1428
1745

Steepest Descent Method

961

Steering Columns use Automobile Steering Columns

Steering Effects

763

926

Step Response

919

Stiffened Panels

128 1769

Stiffened Plates

250 822

1246

Stiffened Shells

1060

1948

Stiffness Factors

9401611

15041045 836

128 1609

17801681

16441615

1198 2109

1900

1238

Stiffness Matrixes

894

1338

Stochastic Processes

400 1102 44 965 416 798
640 1512 924 746 938
1660 1932 1716 1288
1746

Strain

101 821163 4941445 140611971688 2129
1001 2044 1907

Strain Gages

676

Strain Hardening

1480 1605 1388 79
309

Strain Rate

1020 1322 73 74 1019

Strength

1190 20112321013 10051006 107 878 2129
1350 2005 1007
1227

Stress Analysis

1910 101 472 133 164 345 6761057 288 139
1930 371 962 36317641445 199615271518 629
2080 1042 833 2044 1608 1009
2100 1433 1909

Stress Waves

1020 81 192 73 74 835 246 658 199
1470 101 472 493 4941205 266 878 309
1900 2011222 913 83417151236 2078 1739
2120 80113821743 2044 2049
1371 1612 2129
1381

Strings see also Catenaries

123017611432 2931194 116 687 519
2100 2091176219231924 2961137 619
2093 9461417 689
1926

Structural Analysis

150 5211692 13 514 7751506 207 378 369
1320 601 353 54415051866 6471118 599
1840 911 463 7741805 163717081499
19801341 131313341835 1579
1471 13231504 1679
1671 21431584 1809
1941 1804
2014

Abstract Numbers:	1-202	203-401	402-601	602-779	780-944	945-1145	1146-1326	1327-1506	1507-1671	1672-1841	1842-2014	2015-2146
Volume 7												
Issue:	1	2	3	4	5	6	7	8	9	10	11	12

Surveys (Reviews) use Reviews

Suspended Structures

317

Suspension Bridges

729
1979

Suspension Systems (Vehicles)

1782 903 754 685 1476 877 1988
1493 804 1477

T

Tankers

1663

Tanks (Containers) use Tanks (Storage)

Tanks (Storage) see also Shipping Containers

1580 456

Tapered Beams use Beams (Structural Members), Variable Cross Section

Tapes use Moving Strips

Taylor Series Method

2077

Temperature use Thermal Excitation

Test Data

504 135

1709

Test Equipment

1350 511 2083 94 96 207
284 287
2084 357
497
2067

Test Facilities

500 501 1582 463 674 625 506 98 499
1754 855 1026 1578 1209
1665
1755
1785

Test Fixtures use Test Facilities

Testing Techniques

50 1 52 123 94 275 46 97 18 369
140 61 192 193 104 285 56 197 198 499
160 131 292 353 504 345 96 207 588 629
530 181 332 503 514 465 196 387 808 679
580 281 462 513 764 495 276 397 1068 859
630 291 502 683 854 515 476 497 1098 869
680 341 592 693 934 625 496 527 1118 939
740 451 622 773 1224 685 596 567 1258 1209
860 681 672 813 1394 725 826 677 1348 1219
930 881 682 853 1414 1525 866 1177 1358 1709
1070 1171 752 973 1504 1585 906 1267 1578 2039
1080 1221 812 983 2084 1555 976 1527 1618 2089
1220 1981 1122 1123 1825 1036 1547 1638
1350 2081 1202 1173 2045 1166 1637 1698
1470 1222 1223 1266 1657 2088
1490 1412 1303 1296
1630 2082 1393 1586
1680 1623 1736
2083 1866

Test Models

710 91 102 333 154 265 116 397 388 449
910 331 152 473 184 345 286 527 678 489
1660 1411 182 823 1024 515 456 677 1158 509
1970 1461 1122 1033 1034 1095 1016 927 1298 1339
2090 2011 1182 1863 1104 1495 1216 937 1318 1769
2140 2091 1662 1893 1264 1585 1296 1107 1338
1314 1645 1316 1207 1558
1864 1665 1476 1557 1718
2054 1805 1486 1997
1496
1796
1816

Test Results

110 1393 1394 435 68
1650

Tests use a more specific term:

Acoustical Tests

Dynamic Tests

Fatigue Tests

Impact Tests

Resonance Tests

Shock Tests

Vibration Tests

Theory of Characteristics

261

Theory of Elasticity use Elasticity Theory

Abstract Numbers:	1-202	203-401	402-601	602-779	780-944	945-1145	1146-1326	1327-1506	1507-1671	1672-1841	1842-2014	2015-2146
Volume 7												
Issue:	1	2	3	4	5	6	7	8	9	10	11	12

Traffic Noise

220 61 62 631024 185 636 507 18 289
 290 141 2042 3731034 245 5871218 1169
 420 221 7531304 765 8071548
 930 901 1253 865
 1070 921 925
 985
 1035
 1115
 1215
 1345
 1455
 1795
 1955

Traffic Safety use Collision Research (Automotive)

Trains use Railroad Trains

Transducers

1030 101 502 503 234 4571028 99
 1210 1031 52215831214 10271408 859
 1410 1211 1212 12171918 1029
 1222 1707 1409
 1757
 1817

Transfer Functions

2020 1141 802 933 495 177 1599
 18421653 845
 2143 1585

Transfer Matrix Method

700 1591 26312341615 1189
 8831454
 1673

Transformation Techniques

955 206 2017 2019

Transient Excitation see also

Time-Dependent Excitation
 800 2311612 513 284 95 61127 1809
 830 511 1403 4141645 2961317
 1640 1031

Transient Response

170 111 312 273 314 205 316 297 138 229
 450 321 352 5631774 285 406 897 538 449
 700 401 442 78313241705 896 937 818 889
 920 441 542 8231614184517661567 8881039
 1320 1041 562 893180410651056 15681609
 1780 1051 1052 943 1405 16481679
 11911132 953 1945 1779
 195119721003 2109
 21321243
 1423
 1613
 1943
 2103

Transient Testing Techniques 1941

Transient Vibration use Transient Response

Transmissibility use Transmissivity

Transmission Lines

422 794 6571508 969
 824 11371708
 19171808

Transmission Loss

632 16751936 1068

Transmissions use Automotive Transmissions

Transmissivity

1440 1643 17681587

Transmitters use Measuring Instruments

Transonic Flow

652 393 674126510361297 958 29
 723 7241465 1498 959
 993 1545 17481139
 1913 1735 1969
 2015

Transportation Noise use Traffic Noise

Transportation Systems

470 47114721723112411251186 647 6481299
 1090 7711962 17241215 9471188
 18711982 1255 9971298
 1345 1187

Abstract Numbers:	1-202	203-401	402-601	602-779	780-944	945-1145	1146-1326	1327-1506	1507-1671	1672-1841	1842-2014	2015-2146
Volume 7												
Issue:	1	2	3	4	5	6	7	8	9	10	11	12

Transverse Normal Strain use Strain

Transverse Shear Deformation Effects

1760 531 522 533 2014 2095 1377 888 2029
1423 1927
1763

Transverse Vibration use Flexural Vibration

Traveling Loads use Moving Loads

Trucks see also Automobiles, Cargo Vehicles,
Motor Vehicles, Trailers

30 711 1792 984 185 766 617 578 1129
1070 931 585 1006 718 1389
1081 985 1966
1475

Truck Tires

930 381 932 865 1488 1169

Trusses use Framed Structures

Tubes see also Piping

1020 2101 482 73 74 845 1526 1237 528
1540 1992 493 1734 885 758
2102 1238

Tuned Dampers

1903 1046

Turbine Blades

120 722 1903 1754 1046
1326

Turbine Components

120 1931 182 1223 944 1305 1046 1728 1659
1410 302 1293 1824 2145 1326
722 1703 1786
2002 1903 2096
2132 2126

Turbomachinery

1410 251 1072 863 614 1145 1086 547 768 39
1650 1481 1262 2003 624 1295 1326 1957 778 779
1930 1841 1292 944 1325 2146 1967 1358
1931 1482 1294 2145 1728
2072 1754

Turbulence

1460 241 1262 1133 44 845 346 47 108 819
1830 1261 1502 2053 184 1545 666 1097 1018 1269
2010 1631 1912 2063 634 1565 1736 2087 1998 2119
2050 1881 2102 1414 1975 2076
2051 1564 2055 2116
2091

U

Ultraharmonic Resonance use
Ultrasonic Resonance

Ultrasonic Resonance

240 954
650 1224

Ultrasonic Techniques see also
Vibratory Techniques
1821 813

Ultrasonic Tests

1007

Ultrasonic Vibration

277 358 1559

Ultrasonic Waves

1021 1542 1583 358

Unbalanced Mass Response see also

Balancing Machines, Balancing Techniques
251 372 1044 1358
1132

Underground Explosions

731 242 243 734 565 356
1571 992 1875

Underground Structures see also

Hardened Structures
1030 1144 1937 758

Underwater Explosions

591 772 1217

Abstract Numbers:	1-202	203-401	402-601	602-779	780-944	945-1145	1146-1326	1327-1506	1507-1671	1672-1841	1842-2014	2015-2146
Volume 7												
Issue:	1	2	3	4	5	6	7	8	9	10	11	12

Underwater Sound
 1580 51 132 223 54 605 46 48 49
 1880 232 1276 1428 539
 822 1876 1538
 1242
 1542
 1882

Underwater Structures use
 Submerged Structures

Urban Noise
 290 141 432 373 341215 146 237 418 289
 980 2031 1872 713 1024 1455 386 417 448 909
 1034 626 807 618 979
 1116 1548
 2038

Urethane Foam use Foams

V

Valves
 1526 748 379

Vapor Deposited Materials
 1788

Variational Methods
 1041 1322 133 14 795 1416 967 538
 1161 2112 1043 294 1515 1776 968
 2141 1763 1575 1846 1858
 2103

Vector Plot use Vector Diagram Method

Vehicles use a more specific term:
 Flight Vehicles
 Ground Vehicles
 Motor Vehicles

Vehicle Wheels use Wheels

Velocity
 650 1071 142 143
 1510 1751 1032 1093
 1920 1072
 1970 1992

Velocity Control use Deceleration

Vertical Takeoff Aircraft
 342 153 907 1069
 1972 1123
 2122

Vibrating Structures
 480 401 22 703 514 75 76 297 868 399
 680 611 562 1003 894 1535 106 887 1018 439
 690 791 662 1063 1164 1765 416 1317 1208 1319
 780 1441 1422 1143 1604 776 1377 1228 1709
 890 2071 1862 1603 866 1668 1779
 1420 2111 1882 1876 1758 1929
 1740 1922 1976 1928 1949
 2120 2108

Vibration use a more specific term:

Aircraft Vibration
 Axisymmetric Vibration
 Contact Vibration
 Engine Vibration
 Flexural Vibration
 Forced Vibration
 Helicopter Vibration Effects
 Longitudinal Response
 Machine Vibration
 Magnetoelastic Vibration
 Microvibration
 Natural Frequencies
 Nonlinear Response
 Normal Mode
 Quasi-Harmonic Vibration
 Random Response
 Self-Excited Vibration
 Ship Vibration
 Surface Vibration
 Torsional Response
 Traffic Induced Vibration
 Transient Response
 Ultrasonic Vibration
 Vibrating Structures
 Vibration Absorption
 Vibration Analyzers
 Vibration Control
 Vibration Dampers
 Vibration Excitation
 Vibration Isolation
 Vibration Isolators
 Vibration Measurement
 Vibration Monitors
 Vibration Recording
 Vibration Resonance
 Vibration Response
 Vibration Response Spectra

Abstract Numbers:	1-202	203-401	402-601	602-779	780-944	945-1145	1146-1326	1327-1506	1507-1671	1672-1841	1842-2014	2015-2146
Volume 7												
Issue:	1	2	3	4	5	6	7	8	9	10	11	12

Vibration (Continued)

Vibration Tests
 Vibration Tolerance
 Vibration Transmission
 Vibration Tuning
 Vibrational Relaxation
 Vibrators (Machinery)
 Vibratory Compacting
 Vibratory Mills
 Vibratory Techniques
 Vibratory Tools

Vibration Absorption (Equipment) see also
 Shock Absorption, Vibration Control
 272 684 1225 286
 1132

Vibration Analyzers
 2100 671 282 1704 15 106 708 389
 752 275 1756 1238 1219
 1866 1819

Vibrational Relaxation
 1562 264 1747

Vibration Control see also
 Vibration Absorption (Equipment),
 Vibration Absorption (Materials)
 1310 431 72 903 554 355 2046 1207 568 249
 1340 841 1102 973 1194 545 2086 1527 978 479
 1550 1552 1733 1274 645 1278 839
 2072 1903 1345 1448 1599
 1933 1645 1528 1859
 1995 2048 2029
 2089

Vibration Dampers
 1733 655

Vibration Detectors use Transducers

Vibration Excitation
 1110 471 742 353 174 175 1426 697 368 429
 1930 992 573 364 355 1407 458 869
 1742 934 585 1668
 1164
 1344
 1604

Vibration Frequencies use
 Natural Frequencies

Vibration Isolation see also Isolation,
 Vibration Control
 1530 1921 473 1284 415 607 209
 973 1475 877 1819
 1643 917
 1933 2127

Vibration Isolators see also

Mounting Systems
 1151 1283 554 526 307
 1933 1644 1276

Vibration Measurement

1410 471 1362 503 944 595 1756 777 568 99
 2040 593 1485 977 578 559
 863 1535 648 1819
 1118
 1828

Vibration Mode use Normal Mode

Vibration Monitors

580 282 374 815 276 1287 858 39
 752 766 1647

Vibration Reduction use Vibration Control

Vibration Resonance see also

Coincidence Phenomena
 780 1161 1912 1904 945 166 167 698
 870 1921 1905 546 857 1558
 1060 1985 936 1057 2128
 2110

Vibration Response

70 281 102 3 134 95 86 347 108 119
 120 421 272 123 284 115 106 427 118 139
 520 641 302 173 344 175 116 447 128 379
 1190 721 322 393 394 215 166 927 158 389
 1230 781 702 663 524 255 356 1097 128 409
 1240 1001 1102 843 654 315 536 1137 228 709
 1500 1201 1112 953 724 565 556 1207 488 789
 1560 1261 1632 1063 844 575 756 1417 528 889
 1570 1561 1942 1203 1044 665 776 1437 598 1029
 1640 1571 1992 1493 1344 745 796 1497 788 1199
 1820 1741 2102 1693 1634 775 876 1687 828 1399
 2080 1761 2112 1763 1814 945 956 1897 848 1409
 1771 1773 1854 1135 1046 868 1529
 2071 1923 1265 1106 898 1729
 2093 1305 1246 1038 2039
 1355 1526 1058 2079
 1465 1676 1098
 1565 1896 1138
 2145 1926 1398
 2106 1948

Vibration Response Spectra

1652 305 1277

Vibration Testing

596 498

Abstract Numbers:	i-202	203-401	402-601	602-779	780-944	945-1145	1146-1326	1327-1506	1507-1671	1672-1841	1842-2014	2015-2146
Volume 7												
Issue:	1	2	3	4	5	6	7	8	9	10	11	12

Vibration Tests see also Resonance Tests
 90 1141 122 193 194 195 166 27 198 939
 230 1501 292 283 504 285 196 397 278 1209
 860 2062 653 744 625 2046 1677 578
 2082 683 1864 1005 2086 1828
 2143 1585 2088
 1665 2098
 1725

Vibration Tolerance
 740 1811 742 383 174 1105 26 1407
 1110 1112 1473
 1472

Vibration Transmission
 933 1644 355 936
 1473
 1573

Vibrators (Machinery)
 240 391 3 486 287 79
 566 357 949
 787 1249
 857 1999

Vibratory Compacting
 1130 354 1806 787

Vibratory Conveyors use
 Vibrators (Machinery),
 Materials Handling Equipment

Vibratory Techniques see also
 Ultrasonic Techniques
 1821 623 276 277 38 79
 357 179

Vibratory Tools
 1821 354 26 178
 1806

Vibroimpact Systems
 1718

Vibroburnishing
 179

Viscoelastic Damping
 651

Viscoelastic Media
 260 851 92 273 1577 848
 670 941

Viscoelastic Properties
 1590 271 92 274 1405 1276 1587 69
 2080 481 272 1944 2105 1406
 701 852 1916
 1191 1992
 1911
 2101

Viscoplastic Media
 2073

Viscoplastic Properties
 1381

Viscosity
 510 1914 996 269
 1570 2016

Viscous Damping
 320 3 415 949
 655

Viscous Medium
 1441 994 446 267 1098
 846 1097 1928

Vortex Excited Vibrations
 662 1603 1596 868 399
 1318

Vortex Noise
 1533 1596 988
 1458

Vortex Shedding
 2050 1971 1533 1134 2055 86 868 399
 1603 1596 1108

VTOL Aircraft use Vertical Takeoff Aircraft

W

Walls
 1450 642 1913 2014 1016 1359
 1960 1252 1669

Water see also Fluids
 1580 1807 1788 1559
 1958

Water Hammer see also Oil Hammer
 667 668

Abstract Numbers:	1-202	203-401	402-601	602-779	780-944	945-1145	1146-1326	1327-1506	1507-1671	1672-1841	1842-2014	2015-2146
Volume 7												
Issue:	1	2	3	4	5	6	7	8	9	10	11	12

Water Skis use Skis

Water Waves

660 1011 1012 1403 664 1015 1016 1557 659
850 1241 1202 2144 1566 1567 689
1400 1836
1560

Wave Diffraction see also Acoustic Scattering

2000 851 2 253 484 255 1606 1737 1539
1251 252 1363 1184 825
1881 422 1403
982
1152

Wave Attenuation

851 1573 1364 1016 57 199
1713 1717 639

Wave Equation

121 21713 1964 605 16 327 48 9
1521 252 236 427 238 49
782 446 667 268
1372 1196 987 668
1382 1566 1147 958
1576 1917 1048
1746

Waveforms

1532 513 1184 935 2067 1179
1535

Waveguides

422 794 657 969
824 1917
1724

Wave Propagation see also Group Velocity

1470 1861 1382 1743 1384 1385 1536 1577 1808 1549
1510 1881 1572 1883 1534 1395 1606 1587 1998 1569
1540 2061 1612 1983 1544 1885 1746 1617 1589
1590 2101 1672 2073 1844 1905 1946 1757 1739
1700 1692 1884 1925 1947 1879
1830 1712 1964 1945 1957
1860 1992
1900 2052
2000
2060

Wave Reflection

1180 1541 1012 273 1144 1016 1369
1720

Wave Refraction

1400 1536

Waves use a more specific term:

Acceleration Waves
Axisymmetric Waves
Circumferential Waves
Compression Waves
Dilatational Waves
Distortional Waves
Elastic Waves
Extensional Waves
Flexural Waves
Harmonic Waves
Inextensional Waves
Internal Waves
Longitudinal Waves
Mechanical Waves
Oscillation Waves
Rayleigh Waves
Seismic Waves
Shear Waves
Shock Waves
Sound Waves
Spherical Waves
Standing Waves
Stress Waves
Surface Waves
Thermoacoustic Waves
Water Waves

Wave Scattering use Wave Diffraction

Weapon Effects see also Gunfire Effects,

Mechanical Explosions
830 1151 1722 35 1896

Wear

1871 282 763 1826 117 68
2081 187 1648
367
697

Webs (Supports)

1192

Wedges

2 1554 5
982
1562

Welds

1290 623 1744 1227
1907

Abstract Numbers:	1-202	203-401	402-601	602-779	780-944	945-1145	1146-1326	1327-1506	1507-1671	1672-1841	1842-2014	2015-2146
Volume 7												
Issue:	1	2	3	4	5	6	7	8	9	10	11	12

Wheels

1299

Wheel Shimmy

1827

Wheels (Steering) use Steering Wheels

Whirling

1437

Wilson Method

1680

Wind-Induced Excitation

190 1321 1503 853 564 735 296 777 638 1309
1310 1841 2093 654 1016 1137 1558
1600 2091 2123 2034 1506 1417 1698
1636 1557
1987
2097

Windows

1960 331 635 1626
821 1165

Wind Tunnel Tests

140 171 152 1123 674 1185 856 1307 388 149
190 631 862 1463 1104 1195 1316 508 1619
770 2011 1032 1563 1314 1735 1736 1308 1969
2070 2091 1582 1603 2034 1845 1796 1498
1722 1973 2116
1912

Wings use Aircraft Wings

Wires

1212 2093 1924 2125 1926
1762

Wood

1840 1087
1960

Work Hardening use Strain Hardening

Y

Young's Modulus

522 93

Abstract Numbers:	1-202	203-401	402-601	602-779	780-944	945-1145	1146-1326	1327-1506	1507-1671	1672-1841	1842-2014	2015-2146
Volume 7												
Issue:	1	2	3	4	5	6	7	8	9	10	11	12

